

ID		WBS	Task Name	Contact	Resource Initials	Duration	
0			<b>D0 Grid Production Computing Initiative</b>	Rehnlein		<b>164 days?</b>	
1		1	<b>D0 Grid Production Architecture</b>	AL		73 days	
2		1.1	INPUT: Original architecture document v1.2	AL	AL	0 days	
3		1.2	High-level Architecture Document: draft - APIs, component responsibilities	AL	ASB,AL	7 days	
4		1.3	milestone: Draft High-level Architecture Document	AL	AL	0 days	
5		1.4	High-level Architecture Document: Review	AL	RDK,ASB	5 days	
6		1.5	High-level Architecture Document: Revised version	AL	AL	8 days	
7		1.6	High-level Architecture Document: Approval - ASB	AL	RDK	4 days	
8		1.7	High-level Architecture Document: Approval - VW	AL	RDK	1 day	
9		1.8	MILE 7: D0 Grid Production Architecture document done	AL		0 days	
10		2	<b>Adjust Responsibilities among SamGrid, D0runjob, D0repro, automic tools</b>	GG		145 days	
11		2.1	INPUT: Review of D0runjob interface	PM	PM	0 days	
12		2.2	<b>Decouple D0runjob macro and SamGrid</b>	GG		4 days	
13		2.2.1	INPUT: Interface changes documented	GG	PM	0 days	
14		2.2.2	Decouple D0runjob macro and SamGrid development work	GG	PL	1 day	
15		2.2.3	Decoupling: MC Job Type: SamGrid Integration	GG	PM	3 days	
16		2.3	<b>Ability to store output at any stage on demand</b>	GG		135 days	
17		2.3.1	Store output from any stage: SamGrid development/integration	GG	PM	1 day	
18		2.3.2	Store output from any stage: Describe suitable test of feature	GG	PM	2 days	
19		2.3.3	Store output from any stage: Create/submit requests to test feature	GG	MRQ	3 days	
20		2.3.4	Store output from any stage: Production-level test	GG	JS	3 days	
21		2.3.5	MILE 22: Store output from any stage of processing	GG		0 days	
22		2.4	<b>Start Prod via SAM Definition from Stage 2 of Prod: v1</b>	GG		30 days	
23		2.4.1	INPUT: Start Prod at Stage 2: D0runjob development	GG	PL	0 days	
24		2.4.2	Start Prod at Stage 2: SamGrid development/integration	GG	PM	21 days	
25		2.4.3	Start Prod at Stage 2: Production-level test	GG	JS	3 days	
26		2.4.4	MILE 2: Start (MC) Production at Stage 2 - Working	GG		0 days	
27		2.5	<b>Error Recovery in Phased Processing</b>	GG		35 days	
28		2.5.1	Error Recovery: SamGrid development/integration	GG	PM	1 day	
29		2.5.2	Error Recovery: Production-level test	GG	JS	5 days	
30		2.5.3	milestone: Error Recovery in Phased Processing	GG		0 days	
31		2.6	<b>D0repro tools adapted to use Sam v7 request system</b>	GG		104 days	
32		2.6.1	D0repro tools adaptation: First 50% implementation	DW	DW	40 days	
33		2.6.2	D0repro tools adaptation: Next 40% implementation	DW	DW	32 days	
34		2.6.3	D0repro tools adaptation: Request impact on SamGrid and/or D0runjob	GG	RDK,GG	4 days	
35		2.6.8	D0repro tools adaptation: Fix python interface to SAM request system	AL	SS	12 days	
36		2.6.9	D0repro tools adaptation: Final 10% implementation	DW	DW	8 days	
37		2.6.4	D0repro tools adaptation: Use generic runjob interfaces in Samgrid for data processing App	GG	PM	10 days	
38		2.6.5	D0repro tools adaptation: Adjust D0runjob to use request system	GG	PL	10 days	
39		2.6.6	D0repro tools adaptation: Production-level test	GG	JS	2 days	
40		2.6.7	MILE 14: D0repro-tools uses Sam v7 request system	GG		0 days	
41		2.7	<b>Resolve how to add production paths in future</b>	GG		15 days	

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42		2.7.1	Generalization of Job Types according to I/O Characteristics	GG	PM	5 days	
43		2.7.2	Resolve how to add production paths in future: Document	GG	PM	5 days	
44		2.7.3	Resolve how to add production paths in future: D0 Approval	GG	ASB	5 days	
45		2.7.4	MILE 20: How to add production paths in future - resolved	GG		0 days	
46		2.8	<b>Support testing v7/d0runjob/SamGrid functionality</b>	GG		71 days	
47	✓	2.8.1	Survey current understanding of testing procedures	GG	RDK	6 days	
48	✓	2.8.2	D0GPCI FNAL testing meeting	GG		1 day	
49	✓	2.8.3	Testing responsibilities, procedures proposal	GG	GG	12 days	
50	✓	2.8.4	Agreement on Component and Integration testing	GG	GG,PL	8 days	
51	✓	2.8.5	Evaluate how D0runjob should set up WN environment	GG	AB2	4 days	
52	✓	2.8.6	D0runjob sets up its own environment	GG	PL	6 days	
53		2.8.7	Evaluate and sign-off on test facilities and procedures	GG	PL,DW,JS	5 days	
54		2.8.8	MILE 18: Support testing v7/d0runjob/SamGrid functionality	GG		0 days	
55	✉	2.9	<b>Start Prod via SAM Definition from Stage 2 of Prod: v2</b>	GG		12 days	
56		2.9.1	Start Prod at Stage 2: SamGrid notification=all bug fix	GG	PM	10 days	
57		2.9.2	Start Prod at Stage 2: Production-level re-test	GG	JS	2 days	
58		2.9.3	<b>milestone: Start Prod at Stage 2 Ready for Production Release</b>	GG		0 days	
59	✉	2.10	<b>Evaluate Extensions to Development</b>	GG		15 days	
60	✉	2.10.1	D0runjob/SamGrid Decoupling: Skim Job Type	GG		0 days	
61	✉	2.10.2	D0runjob/SamGrid Decoupling: Reco Job Type	GG		0 days	
62	✉	2.10.3	D0runjob/SamGrid Decoupling: Merge Job Type	GG		0 days	
63	✉	2.10.4	Start Prod via SAM Definition from Stage 3+ of Prod	GG		0 days	
64		2.10.5	Fabric interface no longer dependent on Job Type	GG		0 days	
65	✉	2.10.6	All merge code into D0runjob	PL		0 days	
66	💻	2.10.7	Write evaluation of extensions to development	GG	GG	15 days	
67		2.11	<b>MILE 26: Tools have defined API, testing responsibilities</b>	GG		0 days	
68	✉	3	<b>Transition Operations Support from SamGrid Dev to Run2 Ops</b>	GG,AL		157 days	
69		3.1	<b>Operations Documentation</b>	AL		134 days	
70	✓	3.1.1	<b>Data Queues Doc</b>	AL		67 days	
71	✓	3.1.1.1	INPUT: Data Queues Doc: Recent Draft	AL	AB2	0 days	
72	✓	3.1.1.2	Data Queues Doc: Feed-back, update	AL	AB3,AB2	5 days	
73	✓	3.1.1.3	Data Queues Doc: Approve	AL	AL	5 days	
74	✓	3.1.1.4	Data Queues Doc: Integrate into SamGrid Documentation	AL	DZ,AL	1 day	
75	✓	3.1.1.5	<b>milestone: Data Queues Doc: Completed</b>	AL		0 days	
76	✓	3.1.2	<b>Forwarding Node Installation Doc</b>	AL		68 days	
77	✓	3.1.2.1	INPUT: Fwd Node Install Doc: Recent Draft	AL	DZ	0 days	
78	✓✉	3.1.2.2	Fwd Node Install Doc: Hardware prep attempt	AL	SS	25 days	
79	✓✉	3.1.2.3	Fwd Node Install Doc: Feed-back	AL	SS	5 days	
80	✓	3.1.2.4	Fwd Node Install Doc: Integrate Dehong and Steve's documents	AL	DZ,SS	5 days	
81	✓	3.1.2.5	Fwd Node Install Doc: Approve	AL	AL	1 day	
82	✓	3.1.2.6	Fwd Node Install Doc: Integrate into SamGrid Installation Manual	AL	DZ	2 days	
83	✓	3.1.2.7	<b>milestone: Fwd Node Install Doc: Completed</b>	AL		0 days	

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84	✓	3.1.3	<b>Integrating SRM Storage with SAM Doc</b>	GG		7 days	
85	✓	3.1.3.1	SRM with SAM Doc: Integrate into SamGrid Documentation	GG	AB2	7 days	
86	✓	3.1.3.2	milestone: SRM with SAM Doc: Completed	GG		0 days	
87	✉	3.1.4	<b>Operations Policies Doc</b>	AL		89 days	
88	✓	3.1.4.1	Operations Policies doc: Draft	AL	AL	1 day	
89	✓	3.1.4.2	Operations Policies doc: Review	AL	GG,RDK	5 days	
90	✓	3.1.4.3	Operations Policies doc: Revised version	AL	AL	12 days	
91	✓	3.1.4.4	Operations Policies doc: Review, agreement	AL		7 days	
92		3.1.4.5	Operations Policies doc: Final version	AL	AL	3 days	
93		3.1.4.8	Operations Policies doc: Stakeholder Review	AL	MD	15 days	
94		3.1.4.6	Operations Policies doc: Approve - CD, D0	AL	ASB,RDK	3 days	
95		3.1.4.7	MILE 13: Grid Production Operations Policies doc done	AL		0 days	
96		3.1.5	milestone: Operations Documentation completed	AL		0 days	
97	✓	3.2	<b>Operations Reduction and Transfer Planning</b>	GG,AL		68 days	
98	✓	3.2.1	<b>Current Operations Description</b>	GG		33 days	
99	✓	3.2.1.1	INPUT: Write-up of operations issues	GG	GG	0 days	
100	✓	3.2.1.2	Current Operations description: draft - level and causes	GG	GG	4 days	
101	✓	3.2.1.3	Current Operations description: Review	GG	M,RDK,AL	5 days	
102	✓	3.2.1.4	Current Operations description: Revised version	GG	GG	2 days	
103	✓	3.2.1.5	Current Operations description: Approve	GG	ASB	1 day	
104	✓	3.2.1.6	milestone: Current Operations description	GG		0 days	
105	✓	3.2.2	<b>Future Operations Staffing Doc</b>	AL		13 days	
106	✓	3.2.2.1	INPUT: FY08 REX budget determined	RS	RS,AL	0 days	
107	✓	3.2.2.2	Future Operations description: draft - acceptable load level and activities	AL	RS,AL	6 days	
108	✓	3.2.2.3	Future Operations description: Review	AL	,RDK,ASB	5 days	
109	✓	3.2.2.4	Future Operations description: Approve	AL	ASB	2 days	
110	✓	3.2.2.5	milestone: Future Operations description	AL		0 days	
111	✓	3.2.3	<b>Operations Reduction Plan: "Road To Operations"</b>	GG		60 days	
112	✓	3.2.3.1	INPUT: Operations Reduction plan: Monitoring, Alarms proposal	GG	AB2	0 days	
113	✓	3.2.3.2	Operations Reduction plan: Overall draft	GG	GG	16 days	
114	✓	3.2.3.3	Operations Reduction plan: Review	GG	,RDK,AL	5 days	
115	✓	3.2.3.4	Operations Reduction plan: Revised version	GG	GG,AB2	10 days	
116	✓	3.2.3.5	MILE 4: Operations Reduction plan: Working plan ready	GG		0 days	
117	✉	3.2.3.6	Operations Reduction plan: Coordinate w/FEF	GG	GG	10 days	
118	✓	3.2.3.7	Operations Reduction plan: Approve - CD, D0	GG	ASB,RDK	2 days	
119	✉	3.2.3.8	milestone: Operations Reduction plan completed	GG		0 days	
120	✓	3.2.4	milestone: Operations Reduction and Transfer Planning completed	GG		0 days	
121		3.3	<b>Operations Transfer Execution</b>	GG,AL		95 days	
122	✉	3.3.1	<b>Operations Transfer: Phase 1 (Checklist)</b>	GG,AL		18 days	
123	✓	3.3.1.1	<b>SamGrid Requests to Sam Issue Tracker</b>	GG,AL		2 days	
124	✓	3.3.1.1.1	Request SamGrid Users to open tickets	GG,AL	GG	1 day	
125	✓	3.3.1.1.2	Inform Sam shifters about handling SamGrid Requests	GG,AL	AL	1 day	

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126	✓ 3.3.1.1.3	milestone: SamGrid Requests to Sam Issue Tracker	GG,AL		0 days
127	✓ 3.3.1.2	<b>SamGrid Operations Checklist</b>	GG		8 days
128	✓ 3.3.1.2.1	Write-up checklist	GG	PM	1 day
129	✓ 3.3.1.2.2	Review checklist	GG	GG,AL	3 days
130	✓ 3.3.1.2.3	Revise checklist	GG	PM	3 days
131	✓ 3.3.1.2.4	Checklist training, trial run	GG	PM,AL	0.5 days
132	✓ 3.3.1.2.5	Fine-tune checklist per feed-back	GG	PM	0.5 days
133	✓ 3.3.1.2.6	milestone: SamGrid Operations Checklist Transferred	GG		0 days
134	✓ 3.3.1.3	<b>Adapt Operations Checklist to Ops-oriented Format</b>	AL	AL,GG	9 days
135	✓ 3.3.1.3.1	Adapt to Ops-oriented format	AL	AL	5 days
136	✓ 3.3.1.3.2	Review, sign-off by GG, AB2	AL	GG,AB2	4 days
137	✓ 3.3.1.3.3	milestone: Adapt Operations Checklist to Ops-oriented Format	AL		0 days
138	✓ 3.3.1.4	MILE 3: Manual Checklist - Phase 1/4 of Ops Transfer done	GG,AL		0 days
139	✓ 3.3.2	<b>Operations Transfer: Phase 2 (Fwd Nodes, Stations)</b>	GG,AL		15 days
140	✓ 3.3.2.1	REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort)	GG,AL	DEV,REX	15 days
141	✓ 3.3.2.2	Topical Operations Training and Docs as requested by REX ops (Level of Effort)	GG,AL	DEV,REX	15 days
142	✓ 3.3.2.3	MILE 5: Fwd Nodes - Phase 2/4 of Ops Transfer done	GG,AL		0 days
143	✓ 3.3.3	<b>Operations Transfer: Phase 3 (Durable Locations, Queueing Nodes)</b>	GG,AL		15 days
144	✓ 3.3.3.1	REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort)	GG,AL	DEV,REX	15 days
145	✓ 3.3.3.2	Topical Operations Training and Docs as requested by REX ops (Level of Effort)	GG,AL	DEV,REX	15 days
146	✓ 3.3.3.3	MILE 10: Queueing,Durable Nodes - Phase 3/4 of Ops Transfer done	GG,AL		0 days
147	✓ 3.3.4	<b>Operations Transfer: Phase 4 (Jim Client, plus all else)</b>	GG,AL		15 days
148	3.3.4.1	REX Ops co-performs ops tasks with SamGrid Dev (Level of Effort)	GG,AL	DEV,REX	15 days
149	3.3.4.2	Topical Operations Training and Docs as requested by REX ops (Level of Effort)	GG,AL	DEV,REX	15 days
150	3.3.4.3	MILE 21: Jim_Client+ - Phase 4/4 of Ops Transfer done	GG,AL		0 days
151	3.3.5	milestone: Operations Transfer nominally completed	GG,AL		0 days
152	✓ 3.4	<b>VDT Version Migration</b>	GG		63 days
153	✓ 3.4.1	New VDT: VDT-oriented Testbed setup	GG	PM	8 days
154	✓ 3.4.2	New VDT: VDT-oriented Testbed resetup	GG	PM	2 days
155	✓ 3.4.3	New VDT: software adaptation and deployment	GG	PM	26 days
156	✓ 3.4.5	MILE 9: SamGrid migrated to new VDT version	GG		0 days
157	✓ 3.5	<b>Operations Reduction Execution: "Road To Operations"</b>	GG		108 days
158	✓ 3.5.1	<b>Reinstall key machines with standard configuration</b>	GG		86 days
159	✓ 3.5.1.1	Reach agreement among groups involved (by Sep 14)	GG	GG,AL	8 days
160	3.5.1.2	<b>Reinstall Forwarding Nodes with standard configuration</b>	GG,AL		78 days
161	✓ 3.5.1.2.1	Define standard fwd node machine configuration	GG	PM	2 days
162	3.5.1.2.2	<b>Reinstall Forwarding Nodes: Oct 22- Nov 20</b>	GG		76 days
163	✓ 3.5.1.2.2.1	Admins procure HW parts for all fwd nodes	GG	FEF	16 days
164	✓ 3.5.1.2.2.2	<b>Reinstall Forwarding Node 1 (w/Sam Station)</b>	GG		20 days
165	✓ 3.5.1.2.2.2.1	Admins configure candidate fwd node (by Oct 22)	GG	FEF	5 days
166	✓ 3.5.1.2.2.2.2	Developers install and test candidate fwd node (by Fri Oct 26)	GG	PM	3 days
167	✓ 3.5.1.2.2.2.4	Adjust current software to use standard location as default	GG	PM	1 day

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168	✓ 	3.5.1.2.2.2.3	Adjust current installation instructions		GG	PM	1 day	
169	✓	3.5.1.2.2.2.5	REX ops re-installs on candidate machine		AL	SS	1 day	
170	✓	3.5.1.2.2.2.7	Admins and REX ops configure production fwd node		AL	FEF,SS	1 day	
171	✓ 	3.5.1.2.2.2.6	Switch candidate machine and d0srv047 (fwd + station) (Nov 6)		AL	SS	1 day	
172	✓	3.5.1.2.2.2.9	Diagnose, resolve, document 32-bit/64-bit compatibility issues		GG,AL	PM,SS	4 days	
173	✓	3.5.1.2.2.2.8	MILE 11: Forwarding Node w/Sam Station Reinstalled with std config		GG		0 days	
174	✓	3.5.1.2.2.3	INPUT: Test of fail-over in production environment		GG	PM	0 days	
175		3.5.1.2.2.4	<b>Reinstall Forwarding Node 2</b>		AL		5 days	
176		3.5.1.2.2.4.1	REX ops drains and take production fwd node offline		AL	SS	1 day	
177		3.5.1.2.2.4.2	REX ops installs software on production fwd node (d0srv15)		AL	SS	1 day	
178		3.5.1.2.2.4.3	Put fwd node back into system d0srv15 (Nov 13)		AL	SS	1 day	
179		3.5.1.2.2.4.4	Admins and REX ops configure production fwd node		AL	FEF,SS	2 days	
180		3.5.1.2.2.4.5	milestone: verified fwd node configuration and procedure		AL		0 days	
181		3.5.1.2.2.5	<b>Reinstall Forwarding Node 3</b>		AL		6 days	
182		3.5.1.2.2.5.1	REX ops drains and take production fwd node offline		AL	SS	1 day	
183		3.5.1.2.2.5.2	REX ops installs software on production fwd node (d0srv66)		AL	SS	2 days	
184		3.5.1.2.2.5.3	Switch candidate machine and d0srv66 (1 fwd node downtime) (Nov 15)		AL	SS	1 day	
185		3.5.1.2.2.5.4	Admins and REX ops configure production fwd node		AL	FEF,SS	2 days	
186		3.5.1.2.2.7	MILE 15: OSG Fwd nodes reinstalled with std config		GG		0 days	
187	✓	3.5.1.2.2.8	Organize activities to prepare for LCG fwd node migration		GG	GG	13 days	
188		3.5.1.2.2.10	<b>Reinstall LCG/UK Forwarding Node</b>		AL		9 days	
189		3.5.1.2.2.10.5	Site ops drains and take production fwd node offline		AL	LCG	5 days	
190		3.5.1.2.2.10.6	REX ops installs software on LCG/UK fwd node		AL	SS	1 day	
191		3.5.1.2.2.10.7	REX ops puts fwd node back into system		AL	SS	1 day	
192		3.5.1.2.2.10.8	Site and REX ops configure production fwd node		AL	SS,LCG	2 days	
193		3.5.1.2.2.10.9	milestone: LCG/UK Forwarding Node reinstalled with std config		AL		0 days	
194		3.5.1.2.2.11	<b>Reinstall LCG/Germany Forwarding Node</b>		AL		7 days	
195		3.5.1.2.2.11.15	Site ops drains and take production fwd node offline		AL	LCG	5 days	
196		3.5.1.2.2.11.16	REX ops installs software on LCG/Germany fwd node		AL	SS	1 day	
197		3.5.1.2.2.11.17	REX ops puts fwd node back into system		AL	SS	1 day	
198		3.5.1.2.2.11.18	Site and REX ops configure production fwd node		AL	SS,LCG	2 days	
199		3.5.1.2.2.11.19	milestone: LCG/Germany Forwarding Node reinstalled with std config		AL		0 days	
200		3.5.1.2.3	milestone: Forwarding nodes reinstalled with standard configuration		GG		0 days	
201		3.5.1.3	<b>Reinstall Queueing Node with standard configuration</b>		GG,AL		54 days	
202	✓ 	3.5.1.3.1	Define standard queuing node machine configuration		GG	PM	5 days	
203	✓	3.5.1.3.2	<b>Reinstall Queueing Node: Oct 19 - Nov 6</b>		GG		21 days	
204	✓ 	3.5.1.3.2.1	Admins procure HW parts for samgrid-like node (job queuing, broker, web server)		GG	FEF	12 days	
205	✓	3.5.1.3.2.2	Admins configure test instance of samgrid-like node		GG	FGS	2 days	
206	✓	3.5.1.3.2.3	Developers install and test samgrid-like node (by Wed Nov 7)		GG	PM	2 days	
207	✓ 	3.5.1.3.2.4	Adjust current installation instructions		GG	PM	1 day	
208	✓	3.5.1.3.2.5	Adjust current software to use standard location as default		GG	PM	1 day	
209	✓	3.5.1.3.2.6	Admins configure production samgrid-like node		AL	FGS	1 day	

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210	✓	3.5.1.3.2.7	REX ops installs queuing software on production samgrid-like node	AL	SS	1 day	
211	✓	3.5.1.3.2.9	Dev ops installs web server software on production samgrid-like node	AL	PM	1 day	
212	✓	<b>3.5.1.3.2.8</b>	<b>REX ops integrates new samgrid-like node into production system</b>	AL		<b>1 day</b>	
213	✓	3.5.1.3.2.8.1	Replace samgrid.fnal.gov (Dec 4 downtime, prefer Nov 6 downtime)	AL	SS	1 day	
214	✓	<b>3.5.1.3.3</b>	<b>MILE 12: Queuing node reinstalled with std config</b>	GG		<b>0 days</b>	
215	✓	3.5.1.3.4	Diagnose job history incompatibility issues and create migration plan	GG	PM,GG	3 days	
216	✓	3.5.1.3.11	Prepare for migration from mixed old/new samgrid nodes to new node use only	GG	PM,GG	5 days	
217		3.5.1.3.5	Migrate MC Prod from mixed old/new samgrid nodes to new node use only	GG	JS	20 days	
218	✓	3.5.1.3.6	Migrate Prod from mixed old/new samgrid nodes to new node use only	GG	MD	7 days	
219		<b>3.5.1.3.8</b>	<b>milestone: Migration to exclusive use of new samgrid node completed</b>	GG		<b>0 days</b>	
220	✓	<b>3.5.1.4</b>	<b>Reinstall Durable Locations with standard configuration</b>	GG,AL		<b>13 days</b>	
221	✓ 	3.5.1.4.1	Define standard durable location machine configuration	GG	PM	9 days	
222	✓	<b>3.5.1.4.2</b>	<b>Reinstall Durable Locations: Nov 9 - Nov 28</b>	GG		<b>4 days</b>	
223	✓ 	3.5.1.4.2.1	MOOT: Admins procure HW parts(?) for test instance of durable location node	GG	FEF	<b>0 days</b>	
224	✓ 	3.5.1.4.2.2	MOOT: Admins configure test instance of durable location node (by Fri Nov 9)	GG	FEF	<b>0 days</b>	
225	✓	3.5.1.4.2.3	MOOT: Developers install and test durable location node (by Fri Nov 23)	GG	PM	<b>0 days</b>	
226	✓ 	3.5.1.4.2.4	Durable Locations: Adjust current installation instructions	GG	PM	1 day	
227	✓	3.5.1.4.2.5	MOOT: Adjust current software to use standard location as default	GG	PM	<b>0 days</b>	
228	✓	3.5.1.4.2.6	MOOT: REX ops re-installs on test machine	AL	SS	<b>0 days</b>	
229	✓	<b>3.5.1.4.2.7</b>	<b>REX ops reconfigures existing durable locations</b>	AL		<b>0 days</b>	
230	✓ 	3.5.1.4.2.7.1	MOOT: Stop tmr upload to d0srv063; REX ops reinstalls durable location	AL	SS	<b>0 days</b>	
231	✓ 	3.5.1.4.2.7.2	MOOT: Stop tmr upload to d0srv065; REX ops reinstalls durable location	AL	SS	<b>0 days</b>	
232	✓	3.5.1.4.3	MILE 17: Durable Locations reinstalled with std config	GG		<b>0 days</b>	
233		3.5.1.5	<b>milestone: Standard configuration defined and key machines reinstalled</b>	GG		<b>0 days</b>	
234		<b>3.5.8</b>	<b>Create SamGrid Test Stand</b>	AL		<b>11 days</b>	
235		3.5.8.1	REX ops installs software on test fwd node (d0srv15)	AL	SS	2 days	
236		3.5.8.2	Admins fix disk on test queue node (old samgrid)	AL	FEF	2 days	
237		3.5.8.5	REX ops installs software on test queue node (old samgrid)	AL	SS	2 days	
238		3.5.8.6	REX ops installs durable locations test machine	AL	SS	2 days	
239		3.5.8.3	Trial use of SamGrid test stand	AL	SS	3 days	
240		<b>3.5.8.4</b>	<b>milestone: SamGrid test stand completed</b>	AL		<b>0 days</b>	
241		<b>3.5.2</b>	<b>Automate routine maintenance operations</b>	GG		<b>23 days</b>	
242		<b>3.5.2.1</b>	<b>Automatic clean up of job queues</b>	GG		<b>6 days</b>	
243		3.5.2.1.3	Install auto-clean up for SamGrid job queue	GG	PM	2 days	
244		3.5.2.1.1	Manually clean up SamGrid job queue (samgrid.fnal.gov)	GG	SS	1 day	
245		3.5.2.1.4	Test/observe auto-clean up for SamGrid job queue	GG	PM,SS	1 day	
246		3.5.2.1.5	Install auto-clean up of OSG job queue	GG	PM	2 days	
247		3.5.2.1.6	Manually clean up OSG job queue (fwd nodes)	GG	SS	1 day	
248		3.5.2.1.2	Test/observe auto-clean up for OSG job queue	GG	PM,SS	1 day	
249		<b>3.5.2.2</b>	<b>Automatic clean-up of disk areas</b>	GG		<b>5 days</b>	
250		3.5.2.2.1	Resolve: Globus gatekeeper does not properly cleanup gass caches	GG	PM	1 day	
251		3.5.2.2.2	Periodically clean up gram log files at fwd nodes and exec sites	GG	PM	1 day	

ID	WBS	Task Name	Contact	Resource Initials	Duration
252	3.5.2.2.3	Clean up sandboxes and jim_tmp areas at fwd node	GG	PM	1 day
253	3.5.2.2.4	Clean up non-rotated log files (eg. Tomcat)	GG	PM	2 days
254	3.5.2.3	Automation of all gridmap file management (including condor_schedd)	GG	PM	2 days
255	3.5.2.4	Simplify maintenance of automatic clean-up scripts for durable locations	GG	AB2	4 days
256	3.5.2.5	Add the deployment of scripts to installation instructions	GG	PM	3 days
257	3.5.2.6	Assess automation of maintenance operations	GG	AL	3 days
258	3.5.2.7	MILE 23: Routine maintenance operations automated	GG		0 days
259	3.5.3	<b>Improve robustness of key services</b>	GG		19 days
260	3.5.3.1	<b>Improve condor status querying performance: install, evaluate condor_quill</b>	GG		13 days
261	3.5.3.1.1	Determine goal level, requirements	GG	PM	4 days
262	3.5.3.1.2	Determine existing querying performance	GG	PM	4 days
263	3.5.3.1.3	DECISION: test condor_quill or mitigate or live with current	GG		0 days
264	3.5.3.1.4	Evaluate condor_quill, if determined to be necessary	GG	PM	5 days
265	3.5.3.2	Improve algorithm for selection of OSG resources	GG	PM	6 days
266	3.5.3.3	milestone: Robustness in key services improved	GG		0 days
267	3.5.4	<b>Automatic handling of job log files</b>	GG		87 days
268	3.5.4.1	Reduce size of output sandbox	GG	AB2	1 day
269	3.5.4.2	Make output sandbox space management more robust	GG	AB2	1 day
270	3.5.4.3	Transfer output sandbox selection logic to Runjob: Initial Pass	GG	PL	20 days
271	3.5.4.8	Transfer output sandbox selection logic to Runjob: Testing	GG	AB2	4 days
272	3.5.4.7	Transfer output sandbox selection logic to Runjob: Post-Testing work	GG	PL	5 days
273	3.5.4.9	<b>Logfile Access Tools</b>			23 days
274	3.5.4.9.1	Specify tools for accessing old logfiles	GG	MD	5 days
275	3.5.4.9.2	Provide tools (to MD) for accessing old logfiles	GG	AB2	6 days
276	3.5.4.9.3	Test logfile access tools	GG	MD	5 days
277	3.5.4.9.4	Revise tools given customer feedback	GG	AB2	2 days
278	3.5.5	<b>Automate system health alarms</b>	GG		90 days
279	3.5.5.1	<b>NGOP central service</b>	GG		63 days
280	3.5.5.1.1	Define hardware	GG	AB2	1 day
281	3.5.5.1.2	Install basic NGOP server	GG	AB2	1 day
282	3.5.5.1.4	Deploy and test best schema as depicted	GG	AB2	1 day
283	3.5.5.1.5	Understand SAM-Grid representation requirements: Dev part	AL	AB2	5 days
284	3.5.5.1.6	Understand SAM-Grid representation requirements: Ops part	AL	RH	5 days
285	3.5.5.1.9	Static NGOP configuration approach (instead of automated)	AL	AB2,REX	5 days
286	3.5.5.1.3	Develop generic NGOP rules: alarm severity, paging/email notifications	AL	AL	3 days
287	3.5.5.1.8	milestone: NGOP central service prepared	GG		0 days
288	3.5.5.2	<b>Samgrid_mon</b>	GG		19 days
289	3.5.5.2.1	Develop persistent environment for repetitive task execution	GG	AB2	10 days
290	3.5.5.2.2	Develop converter between SamGrid config and next-gen cron	GG	AB2	5 days
291	3.5.5.2.4	Store duplicate configuration of fwd node	GG	AB2	1 day
292	3.5.5.2.5	Accept existing configuration of fwd node	GG	AB2	1 day
293	3.5.5.2.6	Dispatch list of monitoring agents periodically, collect statuses	GG	AB2	1 day

ID	①	WBS	Task Name	Contact	Resource Initials	Duration	
294	✓	3.5.5.2.7	Create distributable UPD package	GG	AB2	1 day	
295	✓	3.5.5.2.8	milestone: Samgrid_mon developed	GG		0 days	
296	✓	3.5.5.3	<b>Develop monitoring scripts</b>	GG		13 days	
297	✓	3.5.5.3.1	Develop generic scripts for Gridftp and Fcp monitoring	GG	AB2	1 day	
298	✓	3.5.5.3.3	Data Nodes: Stager, Durable location, caches, Gridftp, Fcp	GG	AB2	6 days	
299	✓ 	3.5.5.3.2	Forwarding Node: Gridftp, Fcp, Jim_advertise, XML db, Sandbox, opt. sched. component	GG	AB2	6 days	
300	✓	3.5.5.3.4	milestone: Monitoring scripts developed	GG		0 days	
301		3.5.5.5	Assess automation of alarming systems	GG	AB2	2 days	
302		3.5.5.6	Integration deployment and testing	GG	AB2	2 days	
303	✓	3.5.5.7	Documentation Initiation	GG	AB2	5 days	
304		3.5.5.14	Documentation Completion	GG	AB2	5 days	
305		3.5.5.4	MILE 19: System health alarms via NGOP with static config	GG		0 days	
306		3.5.5.11	Automated administration of NGOP schema and config	AL	RH	19 days	
307		3.5.5.12	Generate NGOP agents from set of monitoring scripts and config	GG	AB2	10 days	
308		3.5.5.13	Integration deployment and testing	GG	AB2	4 days	
309		3.5.5.9	Documentation Update	GG	AB2	4 days	
310		3.5.5.8	milestone: System health alarms via NGOP with automated config	GG		0 days	
311		3.5.6	<b>Improve system testing infrastructure</b>	GG		103 days	
312	✓	3.5.6.1	<b>Simplify running test jobs</b>	GG		3 days	
313	✓	3.5.6.1.1	Create test parameters for all job types	GG	AB2	1 day	
314	✓	3.5.6.1.2	Create and distribute JDL templates with test parameters	GG	AB2	1 day	
315	✓	3.5.6.1.3	Write testing instructions	GG	AB2	1 day	
316	✓	3.5.6.1.4	milestone: Running test jobs simplified per request	GG		0 days	
317		3.5.6.2	<b>Automatic submission of test jobs</b>	GG		25 days	
318		3.5.6.2.1	Develop automatic job management framework	GG	AB2,REX	10 days	
319		3.5.6.2.2	Automatic analysis of test results	GG	AB2,REX	10 days	
320		3.5.6.2.3	Integrate with alarming system	GG	AB2,REX	5 days	
321		3.5.6.2.4	milestone: Automatic submission of test jobs completed	GG		0 days	
322		3.5.7	milestone: End of the Road to Operations	GG		0 days	
323		3.6	<b>Operations Reduction/Transfer: Close-out</b>	GG,AL		2 days	
324		3.6.1	Evaluate operations load on dev and ops groups post-transition	GG,AL		2 days	
325		3.6.2	Evaluate operations processes post-transition	GG,AL		2 days	
326		3.6.3	milestone: Operations Reduction and Transfer closed out	GG,AL		0 days	
327		3.7	<b>Other Operations-related Fixes and Upgrades</b>	GG		116 days	
328	✓	3.7.1	Clarify D0 certificate approval process, personnel	GG	GG	5 days	
329		3.7.5	<b>Fix "Immortal Jobs" Operations Issue</b>	GG		8 days	
330		3.7.5.5	Fix Immortal Jobs: SamGrid development/integration	GG	PM	5 days	
331		3.7.5.6	Fix Immortal Jobs: Create/submit requests to test feature	GG	MRQ	1 day	
332		3.7.5.7	Fix Immortal Jobs: Production-level test	GG	JS	2 days	
333		3.7.5.8	milestone: Immortal Job Fix Ready for Production Release	GG		0 days	
334		4	<b>D0 Primary Production on Fermigrid</b>	MD		148 days	
335	✓	4.1	<b>Initial Commissioning</b>	MD		9 days	

ID		WBS	Task Name	Contact	Resource Initials	Duration	
336	✓	4.1.1	INPUT: Attempt to run D0 Primary Production on FermiGrid	MD	MD	0 days	
337	✓	4.1.2	OSG/Fermigrid Resource Selection Meeting	MD	MD	0.5 days	
338	✓ 	4.1.3	Config D0Production role: Fermigrid, GUMS, CAB, PBS, etc.	ST,FEF	MD	6 days	
339	✓ 	4.1.4	Run D0 Primary Prod via D0Production role	MD	MD	1 day	
340	✓	4.1.5	MILE 1: D0 Primary Production Runnable on Fermigrid	MD		0 days	
341	✓	4.2	D0PPF Commissioning Evaluation Meeting	RDK		1 day	
342		4.3	<b>Stable Operations</b>	MD		108 days	
343	✓	4.3.1	<b>Commissioning Follow-up</b>	MD		9 days	
344	✓ 	4.3.1.1	Fix d0srv065 storage issues	MD	MD	3 days	
345	✓	4.3.1.2	Run D0 Primary Prod to verify storage fix	MD	MD	3 days	
346	✓	4.3.1.3	Scale-up D0 Primary Prod to 200 nodes	MD	MD	3 days	
347	✓	4.3.1.4	milestone: D0PPF Stable Ops: Commissioning follow-up completed	MD	MD	0 days	
348		4.3.2	<b>Management Processes and Documentation</b>	MD		93 days	
349	✓	4.3.2.1	Implement Change Management for feature requests using SAM IssueTracker	MD		1 day	
350	✓	4.3.2.2	Establish service level for stable operations and implications on system config	MD,GG,PM,JS		5 days	
351		4.3.2.3	Grid Production System workflow/dataflow diagram	RDK	RDK	6 days	
352		4.3.2.4	Grid Production System info on diagram: node roles, software, maintainers	RDK	RDK	3 days	
353	✓ 	4.3.2.5	Open Science Enclave baseline security plan - implications on SamGrid, CAB	MD,GG,FEF		20 days	
354		4.3.2.6	Job State diagram with most common error state causes	MD	PM	5 days	
355		4.3.2.7	milestone: D0PPF Stable Ops: Management Processes and Documentation done	MD		0 days	
356		4.3.3	<b>System Monitoring</b>	MD		22 days	
357	 	4.3.3.1	CAB web monitoring changes requested by MD,JS	RDK	FEF	5 days	
358		4.3.3.2	Improve job monitoring, include trend plots	RDK	EXT	6 days	
359		4.3.3.3	Augment Job States to be more meaningful to large customer	GG	PM	3 days	
360		4.3.3.4	milestone: D0PPF Stable Ops: System Monitoring done	MD		0 days	
361		4.3.4	<b>Specific System Services Issues</b>	MD		51 days	
362		4.3.4.1	Allow access by MD to dir/files on CAB owned by dzeropro (suggested: get root access)	MD	MD	1 day	
363		4.3.4.2	JIM production release consistent with d0runjob v7-7-3 and higher	MD	MD	3 days	
364	 	4.3.4.3	Evaluate use of ReSS (more flexible than use of roles)	GG	GG	28 days	
365		4.3.4.5	Adapt to use ReSS in D0GPCI	GG	GG	10 days	
366		4.3.4.4	milestone: D0PPF Stable Ops: Specific System Services done	MD		0 days	
367		4.3.5	<b>General System Services Issues (Road to Operations)</b>	GG		86 days	
368		4.3.5.1	INPUT: (3.4.1) Standardize file system layout on SamGrid nodes	GG		0 days	
369		4.3.5.2	INPUT: (3.4.1) Get all nodes governing operation in a consistent, known state	GG		0 days	
370		4.3.5.3	INPUT: (3.4.2.3) Evaluate how to reduce bandwidth consumed by moving logs	GG		0 days	
371	✓	4.3.5.4	INPUT: (3.4.2.3.1) Make Custom output support smarter, use compression	GG	AB2	0 days	
372		4.3.5.5	INPUT: (3.4.2.3.2) Migrate Custom output support from SAM wrapper to D0runjob	GG		0 days	
373	✓ 	4.3.5.6	INPUT: (3.4.2.3.3) Implement a logfile archive node	GG		0 days	
374		4.3.5.7	milestone: D0PPF Stable Ops: General System Services done	GG		0 days	
375		4.3.6	<b>Stable Operations Service Challenge</b>	MD		10 days	
376		4.3.6.1	Define conditions of challenge	MD	MD	1 day	
377		4.3.6.2	Service Challenge execution	MD	MD	7 days	

ID	WBS	Task Name	Contact	Resource Initials	Duration
378	4.3.6.3	Service Challenge evaluation	MD		2 days
379	4.3.6.4	milestone: Service Challenge completed	MD		0 days
380	4.3.7	milestone: D0 Primary Production on Fermigrid meets stability criteria	MD		0 days
381	4.4	D0PPF Operations Evaluation Meeting	RDK		1 day
382	4.7	MILE 28: D0 Primary Production Stable on Fermigrid	MD		0 days
383	5	<b>Extend Grid Production System Functionality</b>	GG		83 days
384	5.1	<b>Forwarding Node Behind Firewall</b>	GG		5 days
385	5.1.1	Forwarding Node Behind Firewall: Evaluate, determine best course of action	GG	AB2	5 days
386	5.2	<b>Minimal Resource Brokering</b>	GG		20 days
387	5.2.1	Minimal Resource Brokering: Evaluate, determine best course of action	GG	GG	20 days
388	5.3	MILE 16: Grid Production System functionality completed	GG		0 days
389	6	<b>Preparation of D0 Apps for Long-term</b>	ASB		49 days?
390	6.1	<b>Skimming</b>	HG		1 day?
391	6.1.1	Productize Skimming	D0	D0	1 day?
392	6.2	<b>CAF Trees</b>			1 day?
393	6.2.1	Productize CAF Tree generation	D0	D0	1 day?
394	6.3	<b>Raw2Sim</b>			1 day?
395	6.3.1	Productize Raw2Sim	D0	D0	1 day?
396	6.4	<b>AADST</b>			49 days?
397	6.4.1	Productize AADST	D0	D0	1 day?
398	6.4.3	Enable data migration to SAM storage	AL	AL	2 days
399	6.4.4	Track data migration to SAM storage	AL	AL	41 days
400	6.4.5	Perform data migration to SAM storage	AL	D0	46 days
401	6.5	MILE 24: Preparation of D0 Apps for long-term	ASB		0 days
402	7	<b>Evaluation of D0 SamGrid Requests</b>	RDK		66 days
403	7.1	<b>Reco</b>			0 days
404	7.1.1	EVAL: Ability to merge more than 1 stream from Reco	RDK		0 days
405	7.2	<b>MC Production</b>			0 days
406	7.2.1	EVAL: Ability to run TrigSim in MC Production	RDK		0 days
407	7.3	<b>Skimming</b>			0 days
408	7.3.1	EVAL: Skimming in Production	RDK		0 days
409	7.4	EVAL: Fixing			0 days
410	7.5	<b>Raw2Sim</b>			0 days
411	7.5.1	EVAL: Run raw2sim on minbias files	RDK		0 days
412	7.6	<b>Reco-cert</b>			66 days
413	7.6.1	EVAL: Merging of reco-cert files	RDK		0 days
414	7.6.2	<b>Stand-alone production of reco-cert output on SamGrid</b>			9 days
415	7.6.2.1	Develop WBS for implementing S/A Recocert on SamGrid	RDK	RDK	9 days
416	7.7	<b>CAF Trees</b>			0 days
417	7.7.1	EVAL: CAF Trees from Production	RDK		0 days
418	7.8	EVAL: MC CAF Trees	RDK		0 days
419	7.9	EVAL: AADST	RDK		0 days

ID		WBS	Task Name	Contact	Resource Initials	Duration	
420		7.10	EVAL: Grid Analysis	RDK		0 days	
421		7.12	Evaluate remaining D0 SamGrid Requests	RDK	RDK	32 days	
422		7.12.2	Develop generic WBS for adapting D0 Apps to Grid Production	RDK	RDK	6 days	
423		7.12.3	Create form to capture D0 App requirements, workflow, use patterns	RDK	RDK	3 days	
424		7.12.4	Create maintainable list of known portability issues for D0 Apps on Grid	RDK	RDK	3 days	
425		7.12.1	Write evaluation of requests based on generic WBS	RDK	RDK	5 days	
426		7.12.5	D0 SamGrid Requests Evaluation: Review	RDK		3 days	
427		7.12.6	D0 SamGrid Requests Evaluation: Revision	RDK	RDK	2 days	
428		7.12.7	D0 SamGrid Requests Evaluation: Approval	RDK		2 days	
429		7.11	MILE 25: Evaluation of D0 SamGrid Requests done	RDK		0 days	
430		8	Project Management	RDK		164 days	
431		8.1	INPUT: Draft Preliminary High-level WBS	RDK	RDK	0 days	
432		8.2	Initiative Coordination Meeting	RDK		136.13 days	
433		8.2.1	Initiative Coordination Meeting 1	RDK		1 hr	
434		8.2.2	Initiative Coordination Meeting 2	RDK		1 hr	
435		8.2.3	Initiative Coordination Meeting 3	RDK		1 hr	
436		8.2.4	Initiative Coordination Meeting 4	RDK		1 hr	
437		8.2.5	Initiative Coordination Meeting 5	RDK		1 hr	
438		8.2.6	Initiative Coordination Meeting 6	RDK		1 hr	
439		8.2.7	Initiative Coordination Meeting 7	RDK		1 hr	
440		8.2.8	Initiative Coordination Meeting 8	RDK		1 hr	
441		8.2.9	Initiative Coordination Meeting 9	RDK		1 hr	
442		8.2.10	Initiative Coordination Meeting 10	RDK		1 hr	
443		8.2.11	Initiative Coordination Meeting 11	RDK		1 hr	
444		8.2.12	Initiative Coordination Meeting 12	RDK		1 hr	
445		8.2.13	Initiative Coordination Meeting 13	RDK		1 hr	
446		8.2.14	Initiative Coordination Meeting 14	RDK		1 hr	
447		8.2.15	Initiative Coordination Meeting 15	RDK		1 hr	
448		8.3	Project Planning	RDK		78.9 days	
449		8.3.1	WBS/Schedule v0.8 for 3/7 objectives	RDK	RDK	10 days	
450		8.3.2	milestone: WBS/Schedule v0.8, begin weekly status'ing	RDK		0 days	
451		8.3.3	WBS/Schedule v0.9 for 5/7 objectives	RDK	RDK	13 days	
452		8.3.4	milestone: Plan v0.9 sufficient to drive near-term work	RDK		0 days	
453		8.3.5	Draft WBS/Schedule v1.0 for 7/7 objectives	RDK	RDK,GG	32 days	
454		8.3.6	Big Baseline Planning Meeting	RDK		1 day	
455		8.3.7	Create Baseline Project Plan v1.0	RDK	RDK	2 days	
456		8.3.8	MILE 6: Baseline Project Plan v1.0 released	RDK		0 days	
457		8.3.9	Baseline Project Plan: Executive Presentations	RDK	RDK	4 days	
458		8.3.12	Baseline Project Plan v1.0: Integrate feed-back	RDK	RDK	2 days	
459		8.3.13	Baseline Plan Project v1.1: Drop tasks pushed out past end of Initiative	RDK	RDK	2 days	
460		8.3.14	MILE 8: Project Plan v1.1	RDK		0 days	
461		8.4	Project Administration	RDK		133.9 days	

ID		WBS	Task Name	Contact	Resource Initials	Duration	
462		8.4.1	Planning Phase (Level of Effort = 5%)	RDK	RDK	48 days	
463		8.4.2	Execution Phase (Level of Effort = 15%)	RDK	RDK	66 days	
464		<b>8.5</b>	<b>Project Close-out</b>	<b>RDK</b>		<b>7 days</b>	
465		8.5.1	Project Close-out Meeting	RDK	RDK	1 day	
466		8.5.2	Project Close-out Report	RDK	RDK	2 days	
467		8.5.3	Project Close-out Report Approval: ABS, CD	RDK	RDK,ASB	3 days	
468		8.5.4	Archive project artifacts	RDK	RDK	1 day	
469		<b>8.5.5</b>	<b>milestone: Initiative Closed-out</b>	<b>RDK</b>		<b>0 days</b>	
470		9	MILE 29: D0 GPC Initiative completed	ASB		0 days	

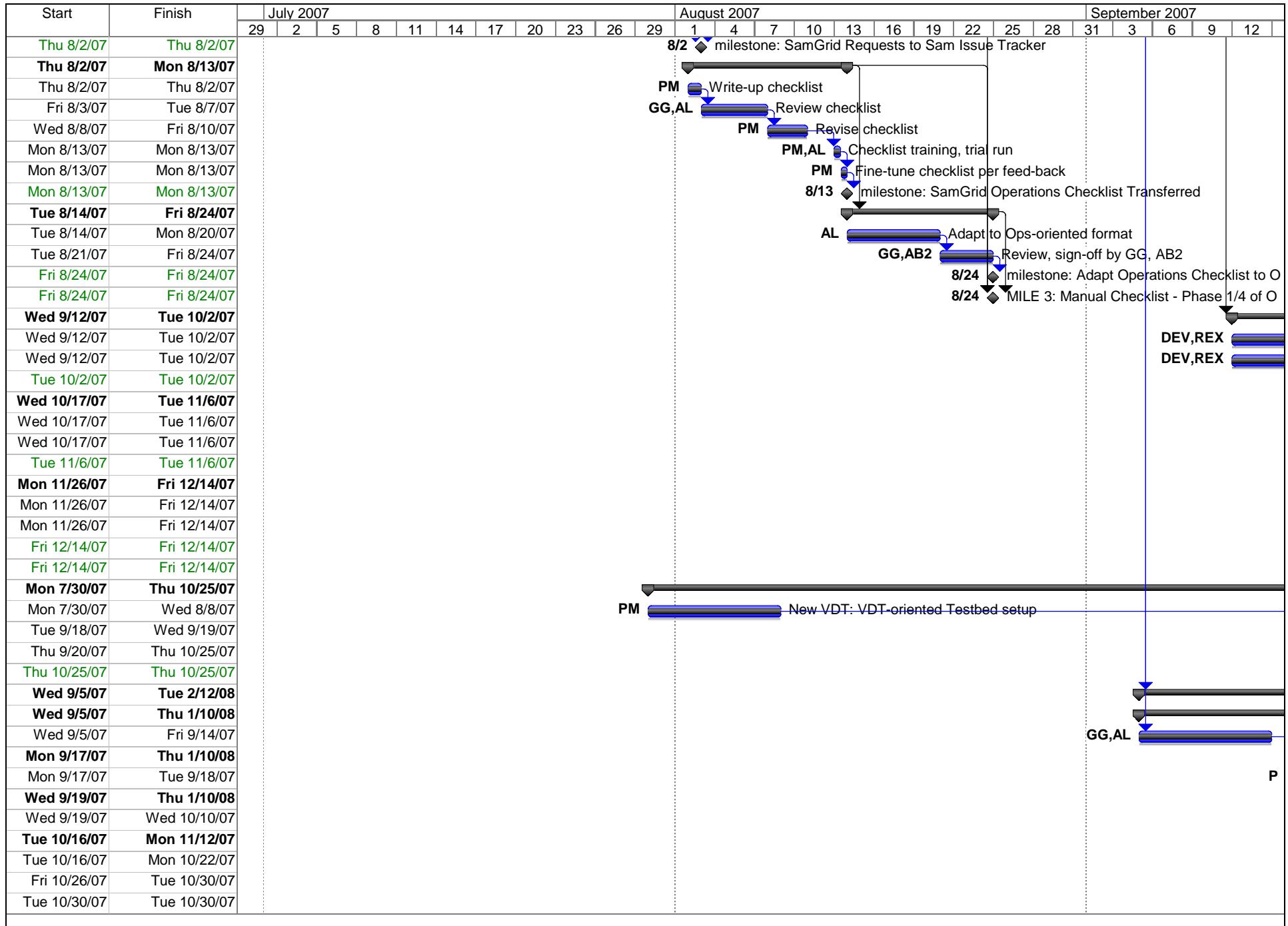




Start      Finish      July 2007      August 2007      September 2007

Start	Finish	July 2007	August 2007	September 2007
		29 2 5 8 11 14 17 20 23 26 29	1 4 7 10 13 16 19 22 25 28	31 3 6 9 12
<b>Thu 7/12/07</b>	<b>Fri 7/20/07</b>			
Thu 7/12/07	Fri 7/20/07			
<b>Fri 7/20/07</b>	<b>Fri 7/20/07</b>			
<b>Wed 9/5/07</b>	<b>Tue 1/15/08</b>			
Wed 9/5/07	Wed 9/5/07			
Thu 9/6/07	Wed 9/12/07			
Wed 10/3/07	Wed 10/24/07			
Thu 10/25/07	Fri 11/2/07			
Wed 12/12/07	Fri 12/14/07			
Mon 12/17/07	Thu 1/10/08			
Fri 1/11/08	Tue 1/15/08			
<b>Tue 1/15/08</b>	<b>Tue 1/15/08</b>			
<b>Tue 1/15/08</b>	<b>Tue 1/15/08</b>			
<b>Sun 7/1/07</b>	<b>Fri 10/5/07</b>			
<b>Sun 7/1/07</b>	<b>Thu 8/16/07</b>			
<b>Sun 7/1/07</b>	<b>Sun 7/1/07</b>			
Mon 7/9/07	Thu 7/12/07			
Fri 7/13/07	Thu 7/19/07			
Thu 8/2/07	Fri 8/3/07			
Thu 8/16/07	Thu 8/16/07			
<b>Thu 8/16/07</b>	<b>Thu 8/16/07</b>			
<b>Mon 7/9/07</b>	<b>Wed 7/25/07</b>			
<b>Mon 7/9/07</b>	<b>Mon 7/9/07</b>			
Mon 7/9/07	Mon 7/16/07			
Tue 7/17/07	Mon 7/23/07			
Tue 7/24/07	Wed 7/25/07			
<b>Wed 7/25/07</b>	<b>Wed 7/25/07</b>			
<b>Fri 7/13/07</b>	<b>Fri 10/5/07</b>			
<b>Fri 7/13/07</b>	<b>Fri 7/13/07</b>			
Mon 8/6/07	Mon 8/27/07			
Tue 8/28/07	Tue 9/4/07			
Wed 9/5/07	Tue 9/18/07			
<b>Tue 9/18/07</b>	<b>Tue 9/18/07</b>			
Wed 9/19/07	Tue 10/2/07			
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<b>Wed 8/1/07</b>	<b>Fri 8/24/07</b>			
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Thu 8/2/07	Thu 8/2/07			

The Gantt chart illustrates the timeline and dependencies for several tasks across three months. Key milestones include the completion of SRM documentation, the approval of current operations descriptions, and the creation of future operations plans. Input phases involve gathering information on operations issues and budget determinations. The chart also shows tasks related to operations reduction and user requests.



Start	Finish	July 2007												August 2007												September 2007																	
		29	2	5	8	11	14	17	20	23	26	29	1	4	7	10	13	16	19	22	25	28	31	3	6	9	12																
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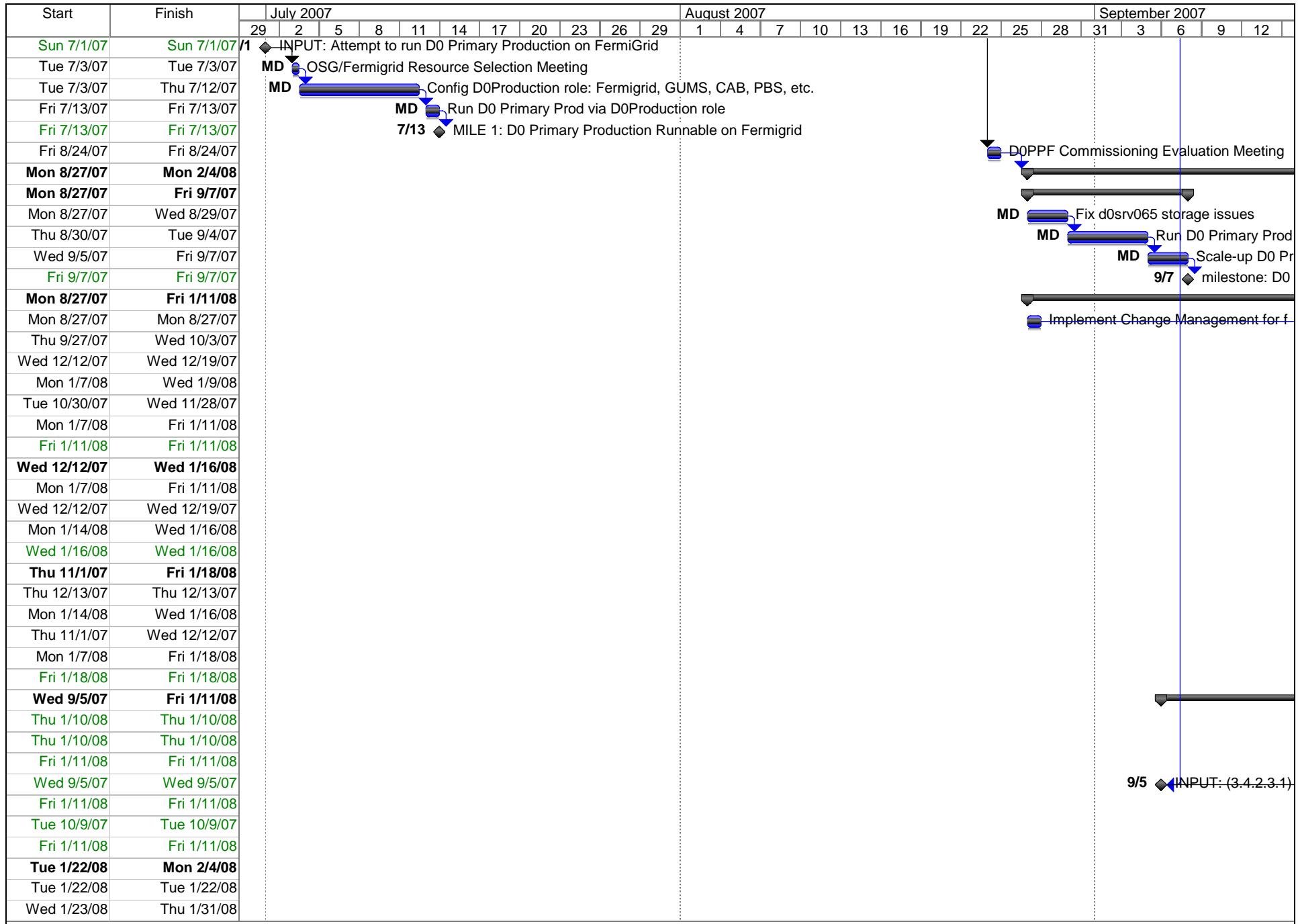
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GG Clarify D0 certificate approval process, personnel

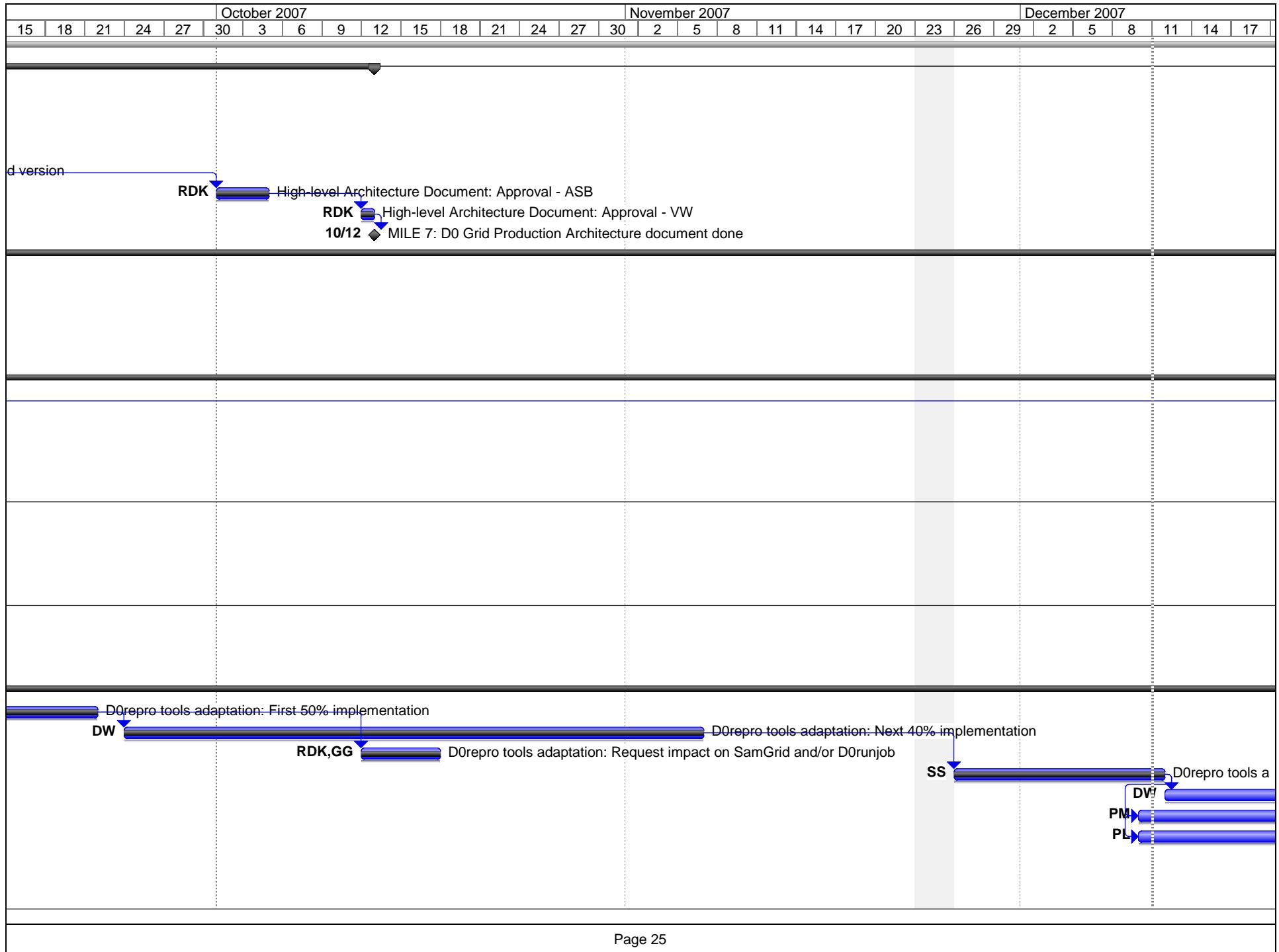


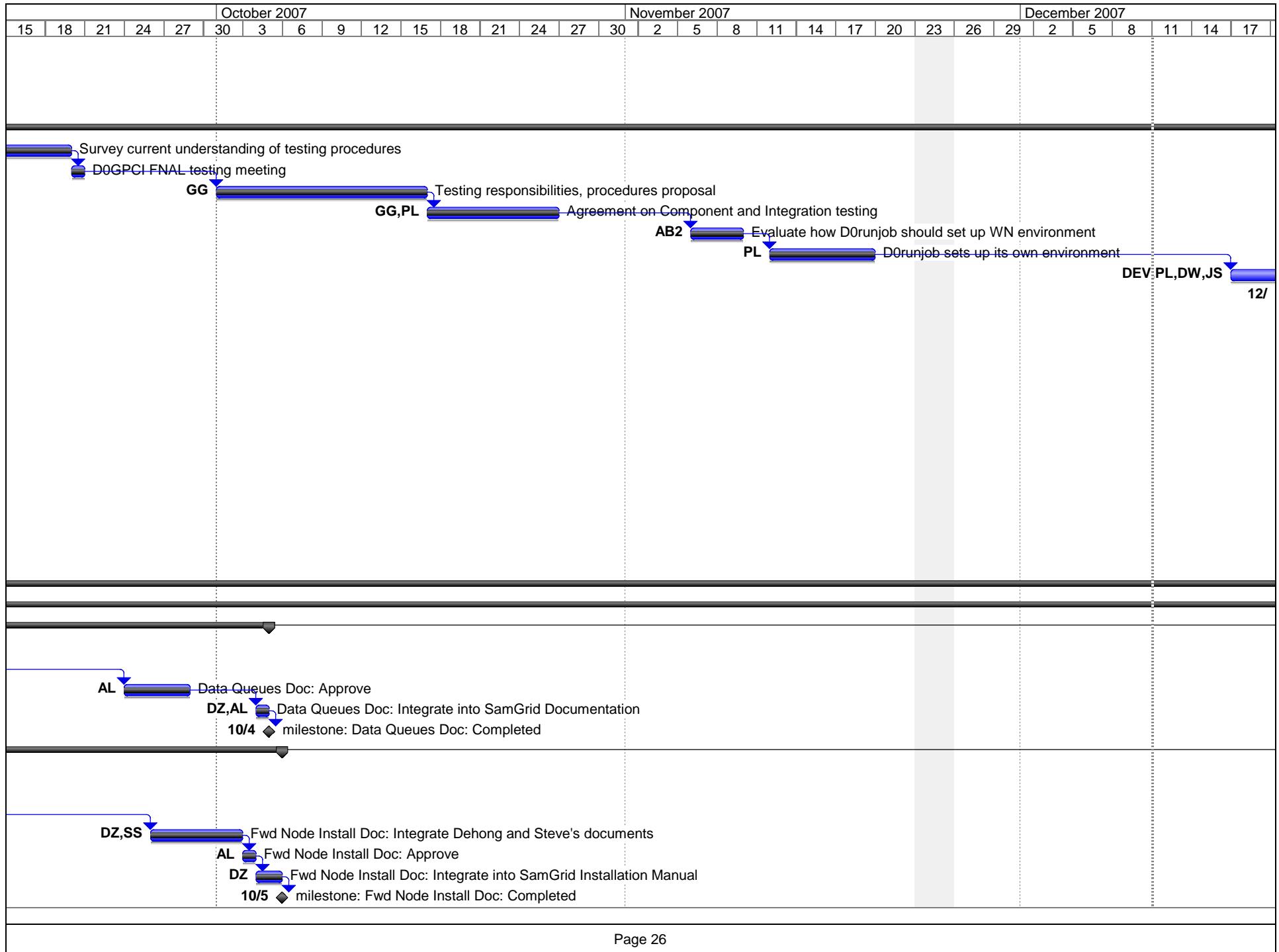


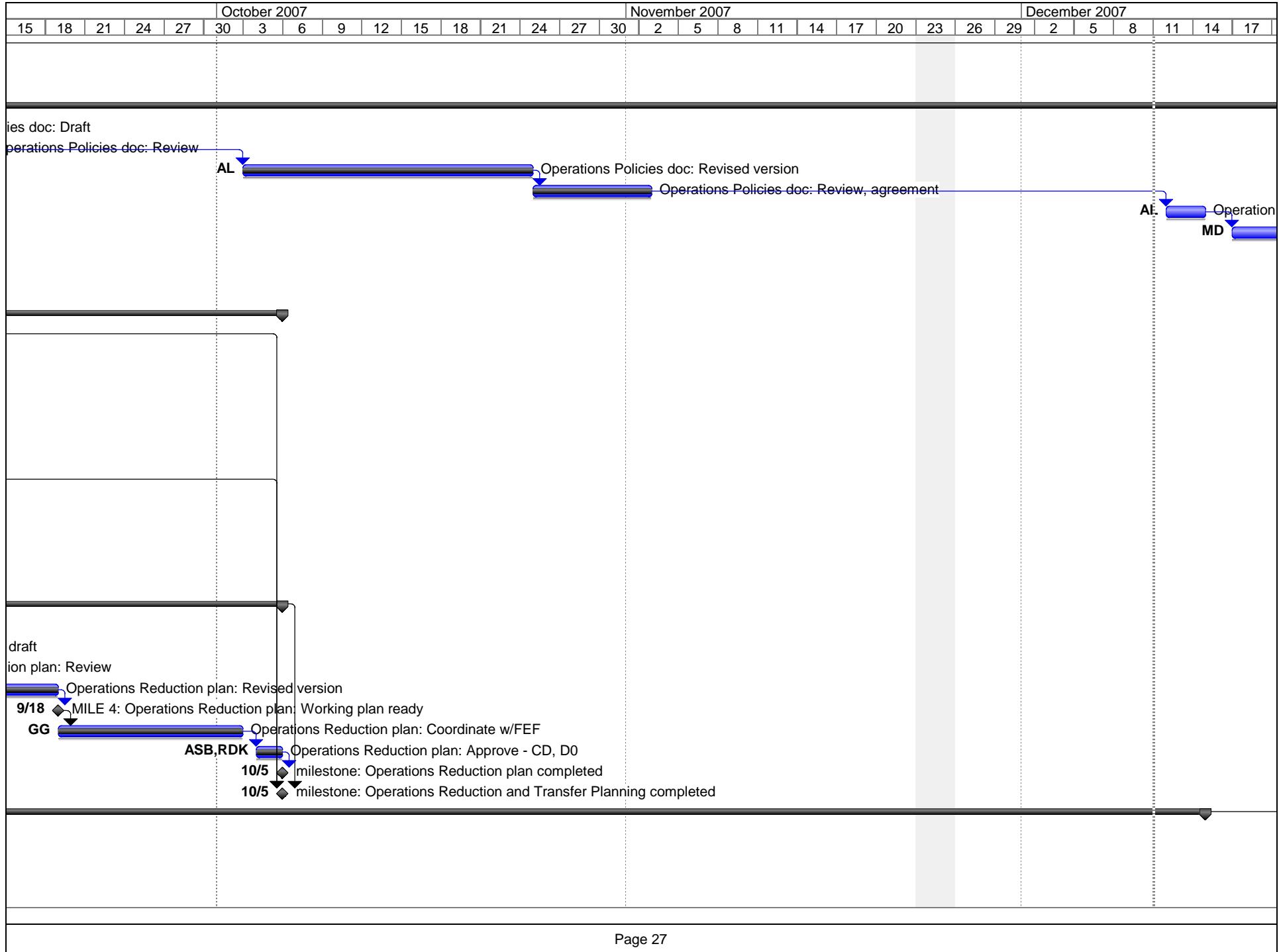
The Gantt chart displays the following tasks and milestones:

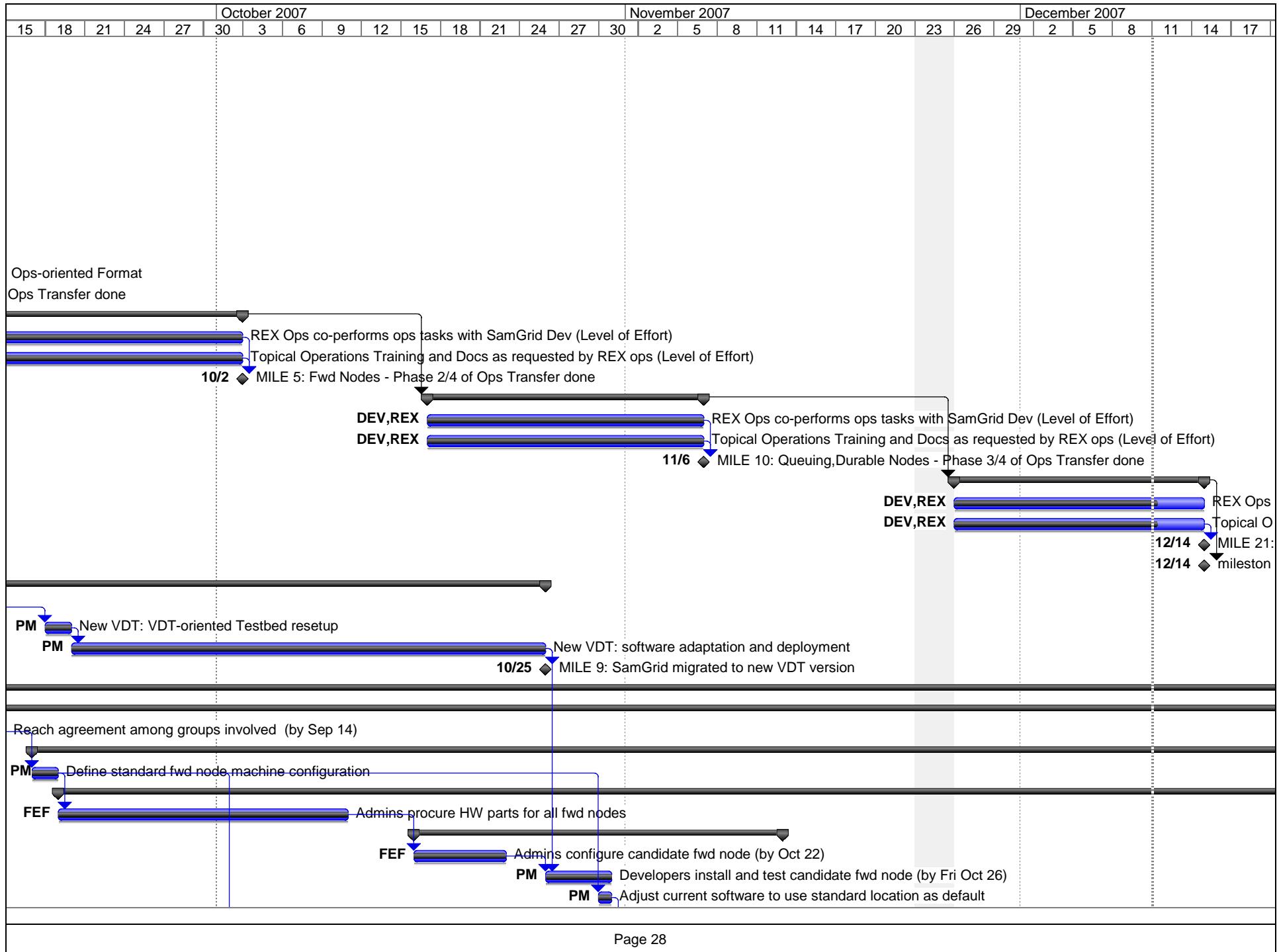
- INPUT: Draft Preliminary High-level WBS**: A task starting on 7/1/07 and ending on 7/27/07.
- Initiative Coordination Meeting 1**: A task starting on 7/1/07 and ending on 7/3/07.
- Initiative Coordination Meeting 2**: A task starting on 7/17/07 and ending on 7/19/07.
- Initiative Coordination Meeting 3**: A task starting on 7/31/07 and ending on 8/2/07.
- Initiative Coordination Meeting 4**: A task starting on 8/14/07 and ending on 8/16/07.
- Initiative Coordination Meeting 5**: A task starting on 8/28/07 and ending on 8/30/07.
- Initiative Coordination Meeting 6**: A task starting on 9/11/07 and ending on 9/13/07.
- Initiative Coordination Meeting 7**: A task starting on 9/25/07 and ending on 9/27/07.
- Initiative Coordination Meeting 8**: A task starting on 10/9/07 and ending on 10/11/07.
- Initiative Coordination Meeting 9**: A task starting on 10/23/07 and ending on 10/25/07.
- Initiative Coordination Meeting 10**: A task starting on 11/6/07 and ending on 11/8/07.
- Initiative Coordination Meeting 11**: A task starting on 11/20/07 and ending on 11/22/07.
- Initiative Coordination Meeting 12**: A task starting on 12/4/07 and ending on 12/6/07.
- Initiative Coordination Meeting 13**: A task starting on 12/18/07 and ending on 12/20/07.
- WBS/Schedule v0.8 for 3/7 objectives**: A task starting on 7/18/07 and ending on 7/25/07. It includes a milestone at 7/18/07 labeled "WBS/Schedule v0.8, begin weekly status'ing".
- WBS/Schedule v0.9 for 5/7 objectives**: A task starting on 7/25/07 and ending on 8/1/07. It includes a milestone at 8/17/07 labeled "Plan v0.9 sufficient to drive near-term work".
- RDK,GG**: Initials indicating responsibility for the WBS/Schedule tasks.

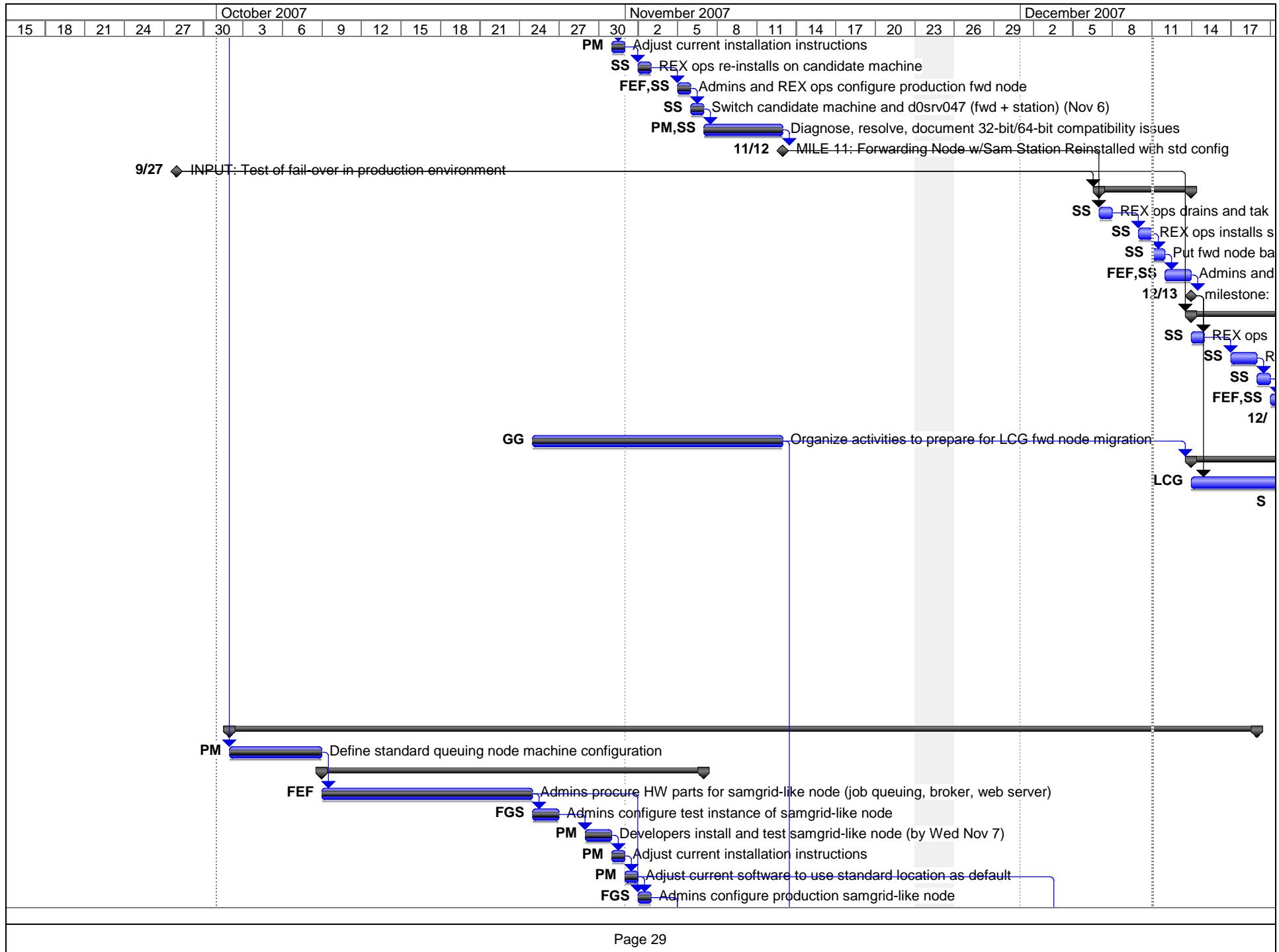
Start	Finish	July 2007										August 2007								September 2007							
		29	2	5	8	11	14	17	20	23	26	29	1	4	7	10	13	16	19	22	25	28	31	3	6	9	12
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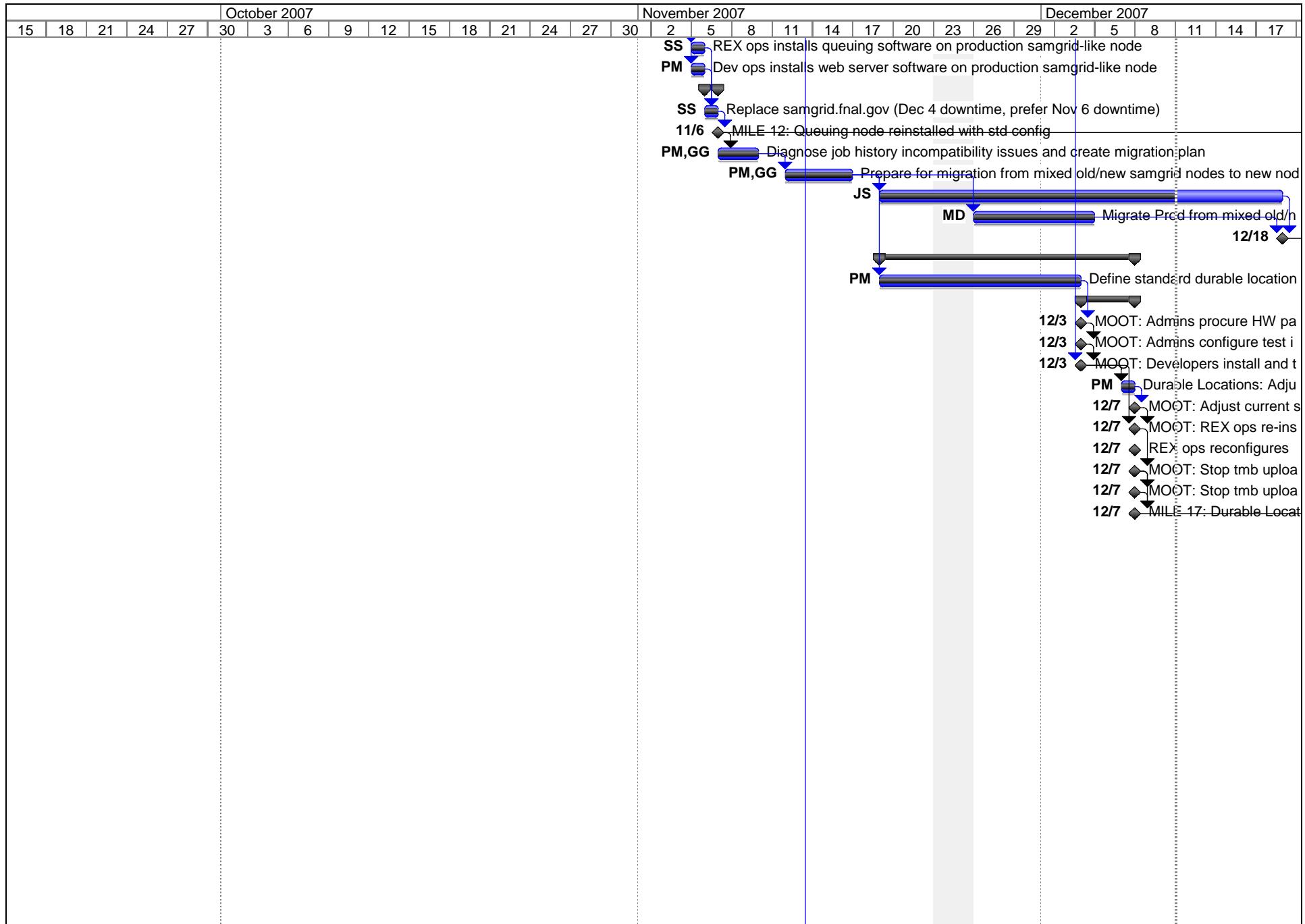


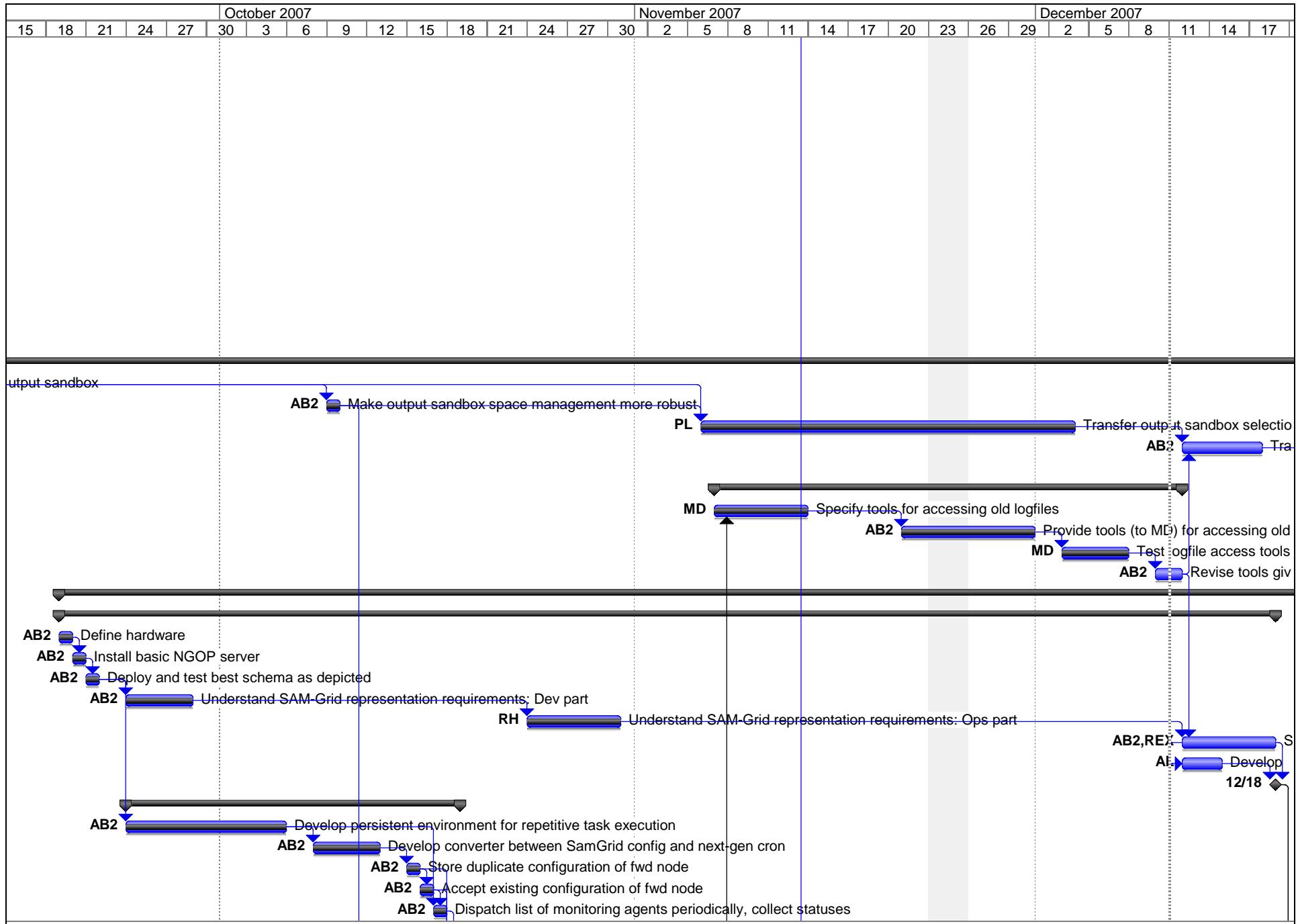


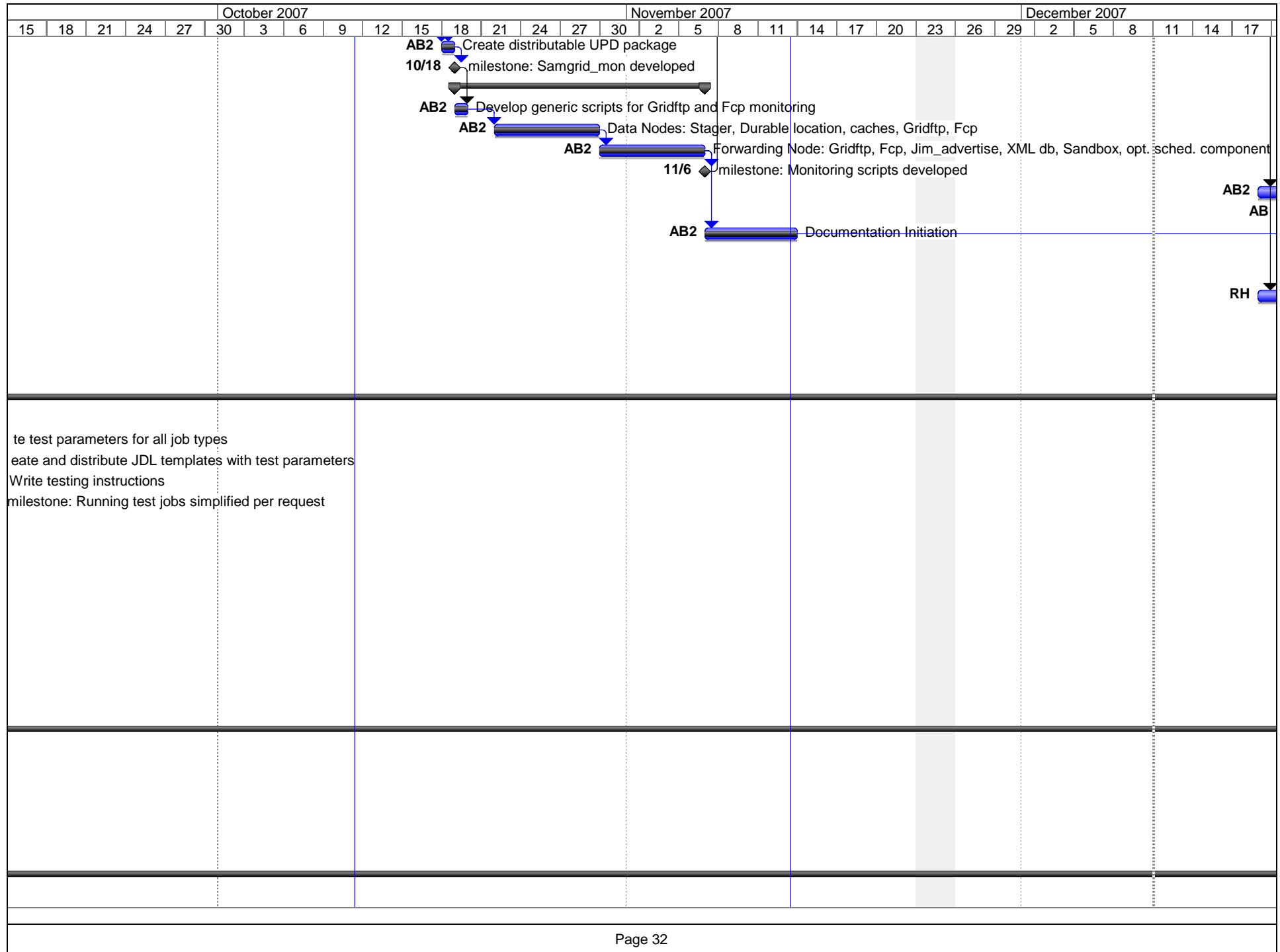


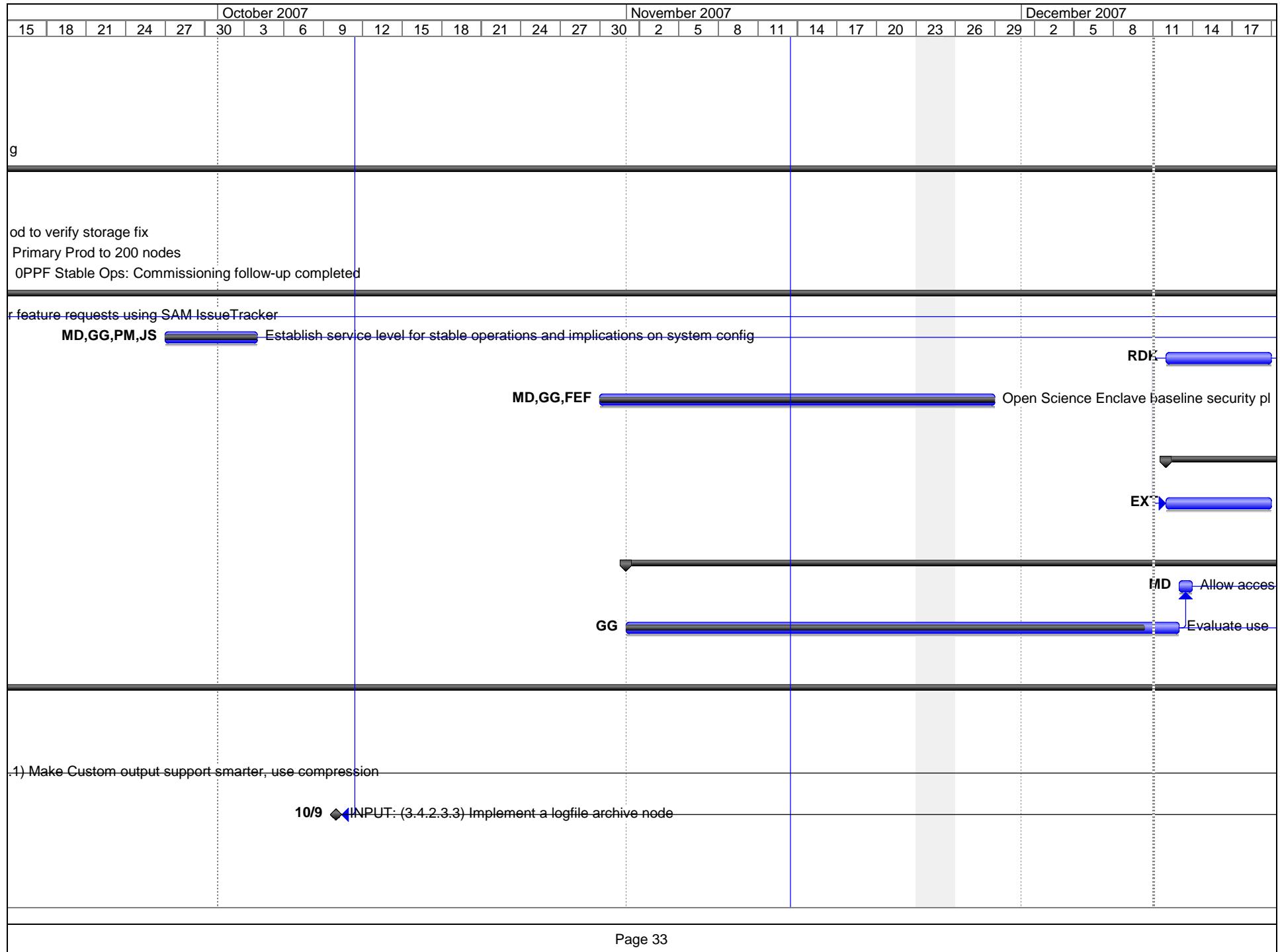


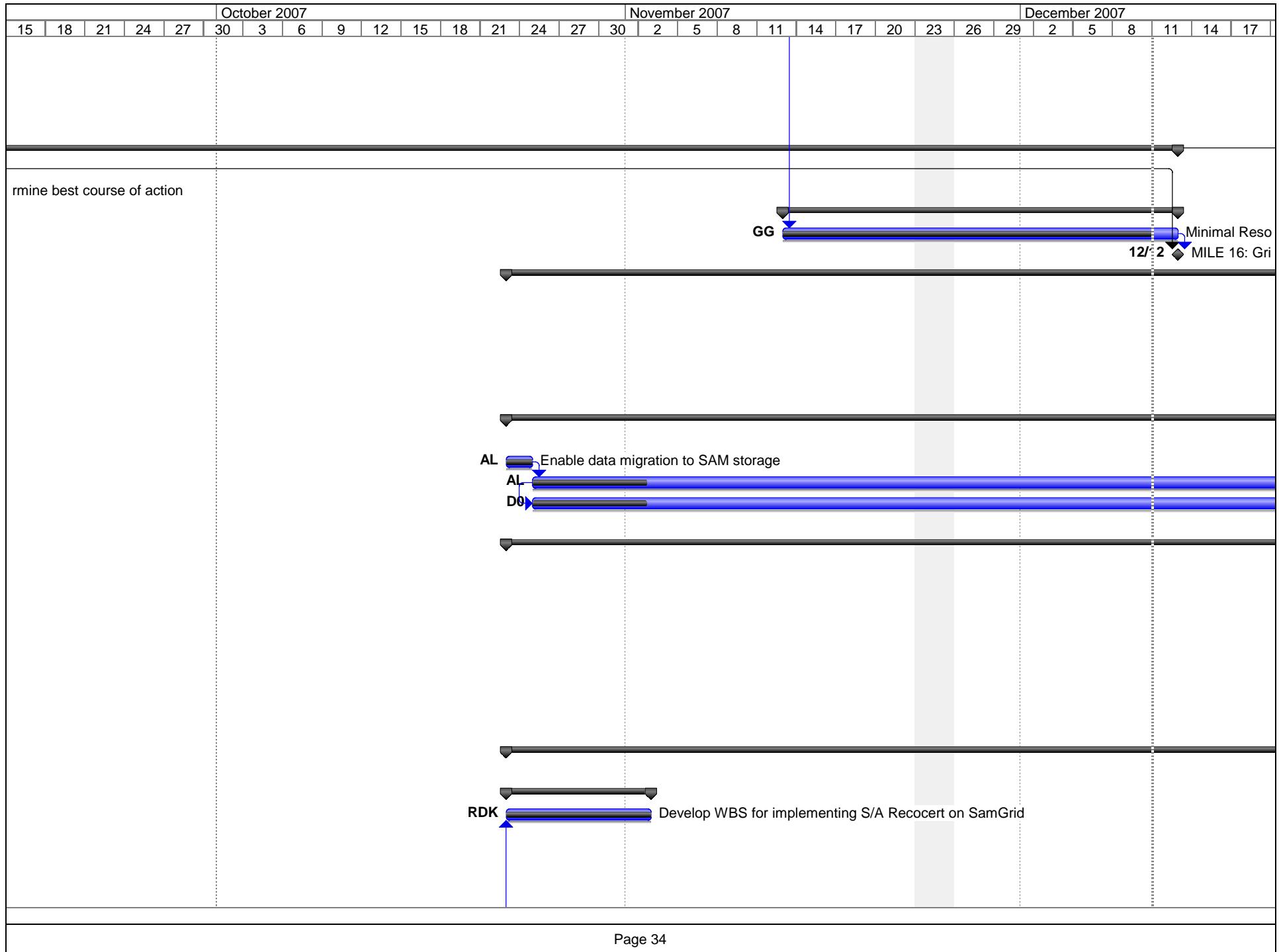


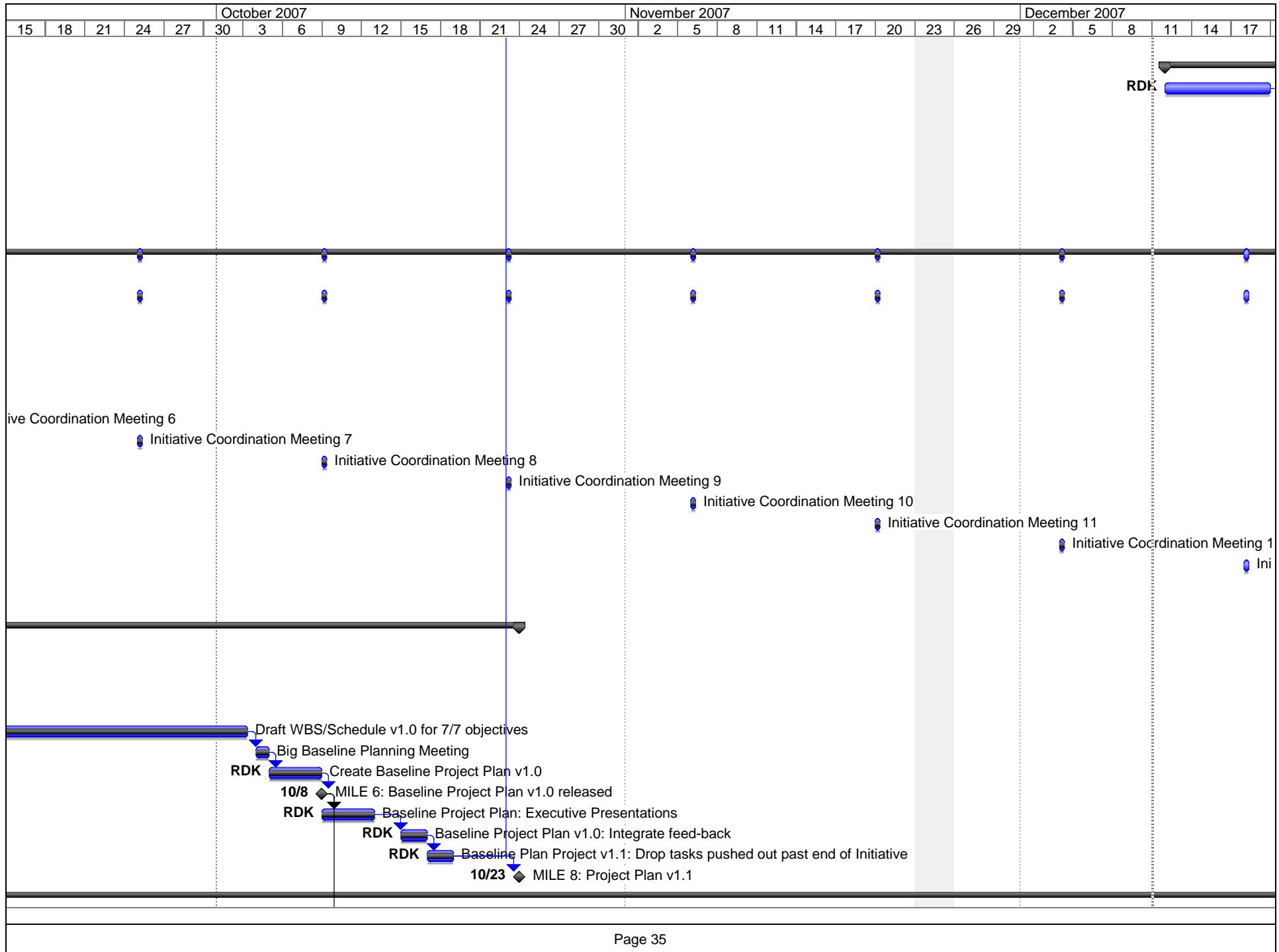


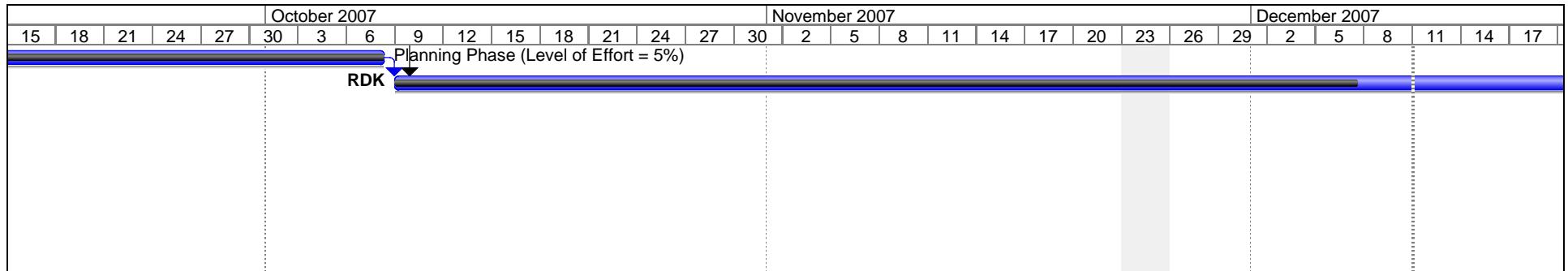


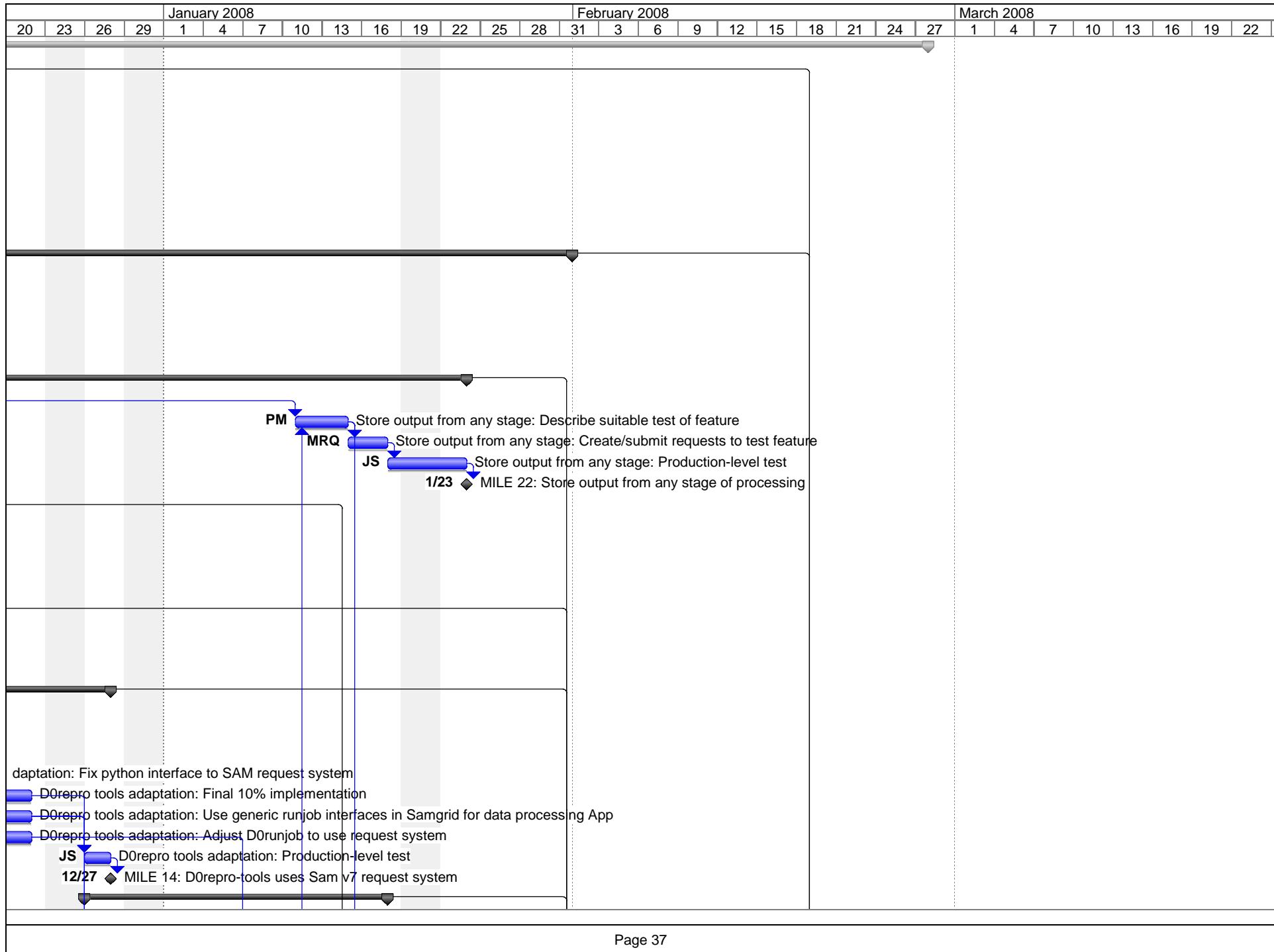


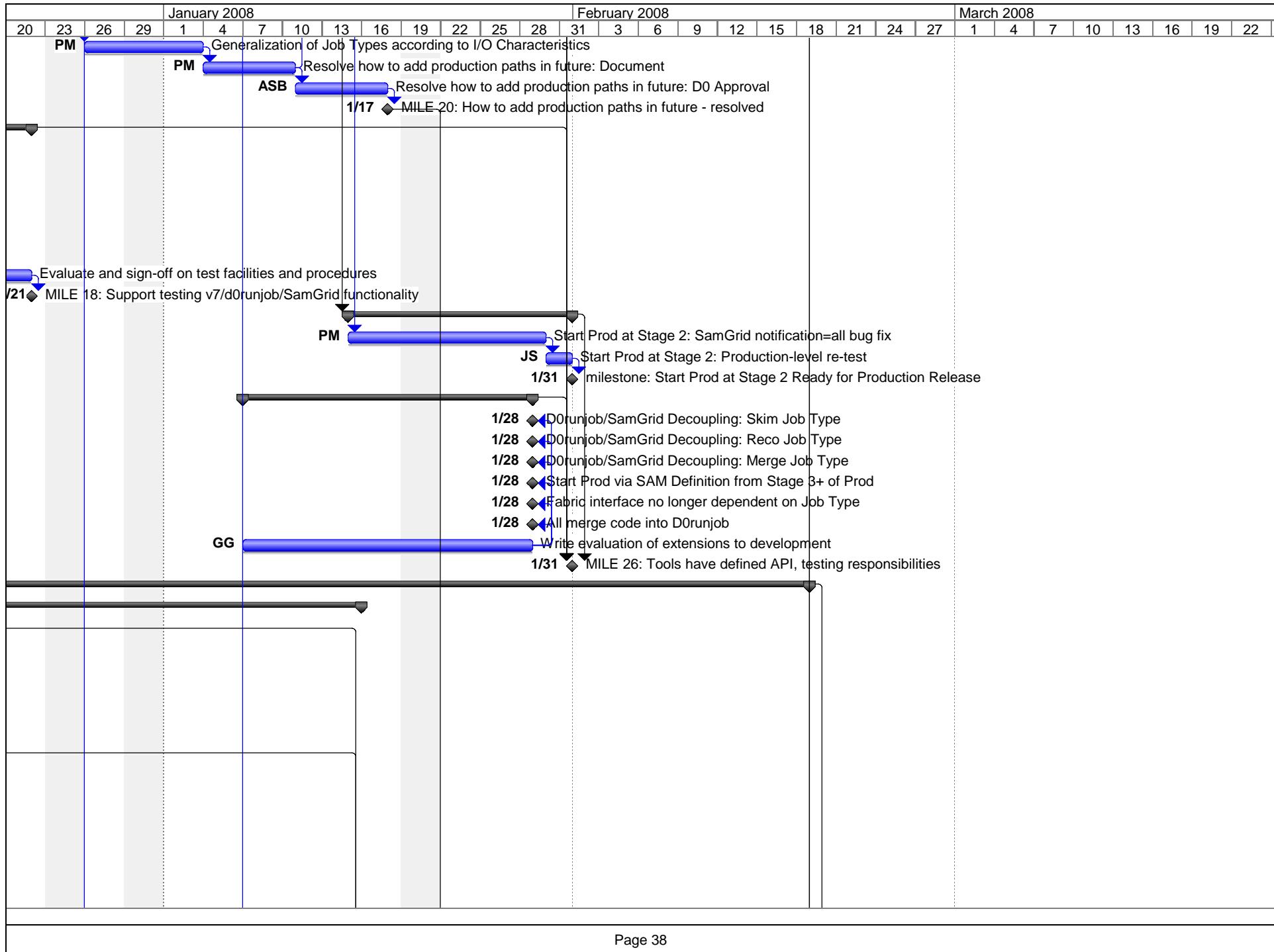








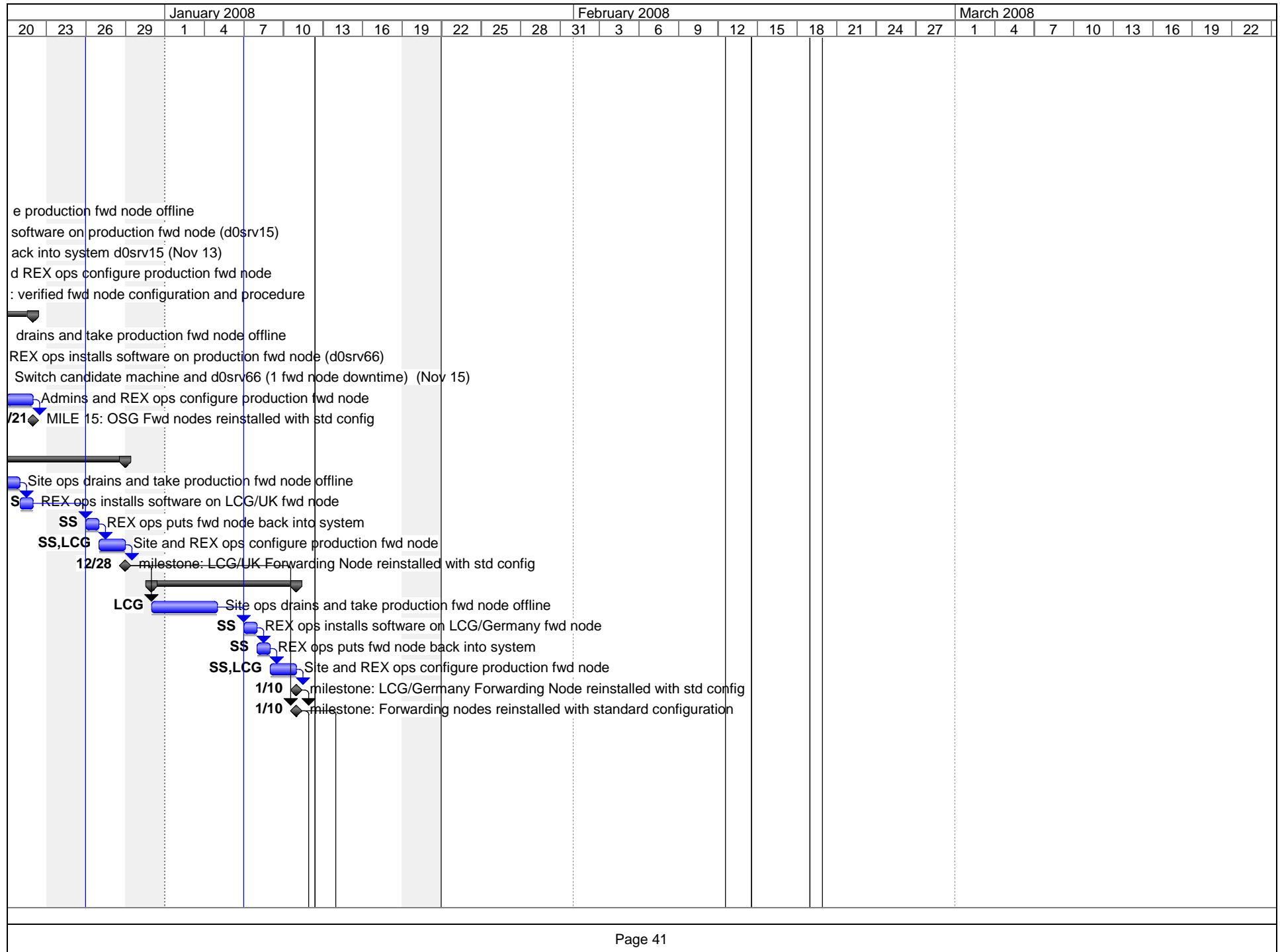


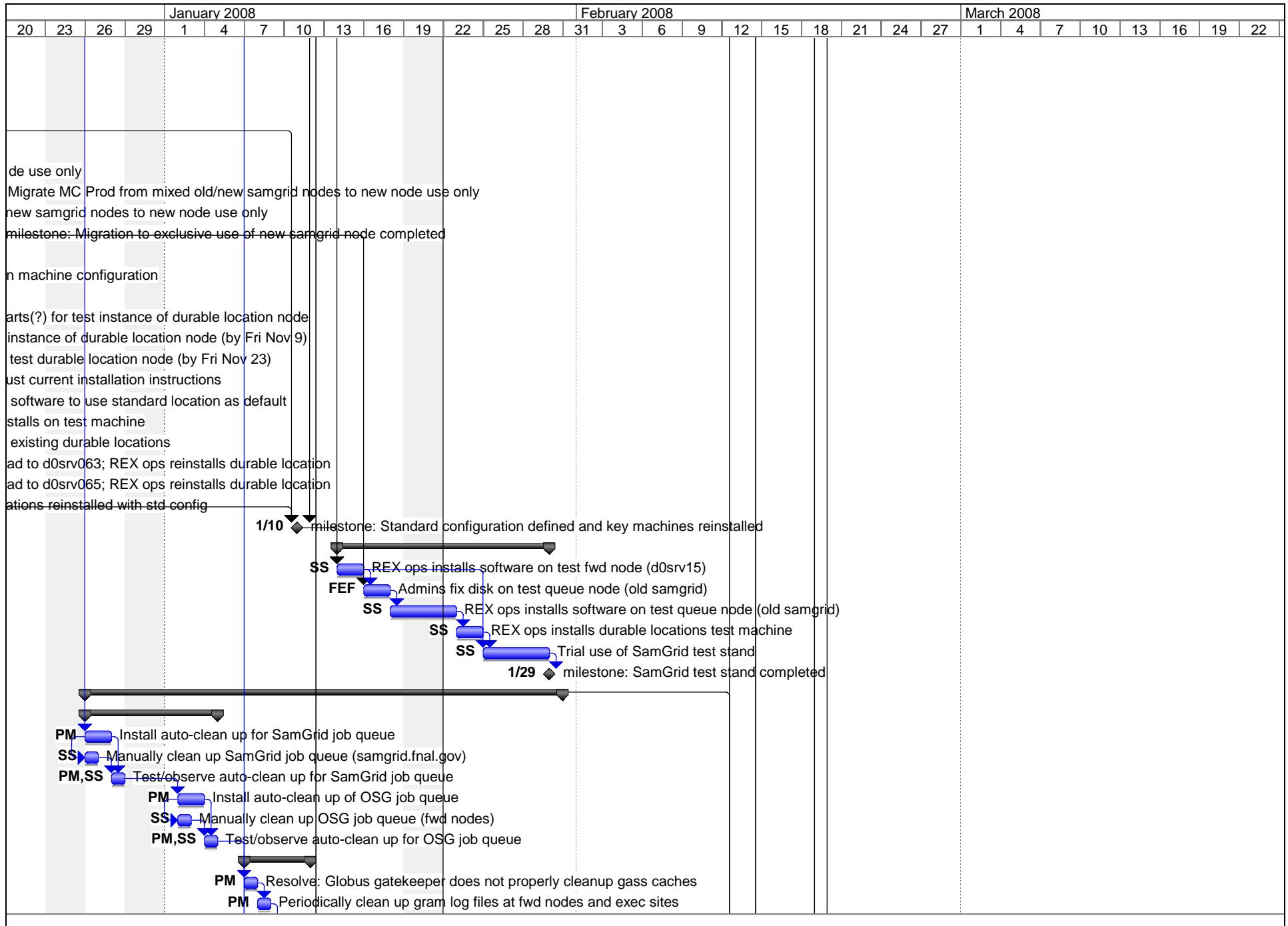


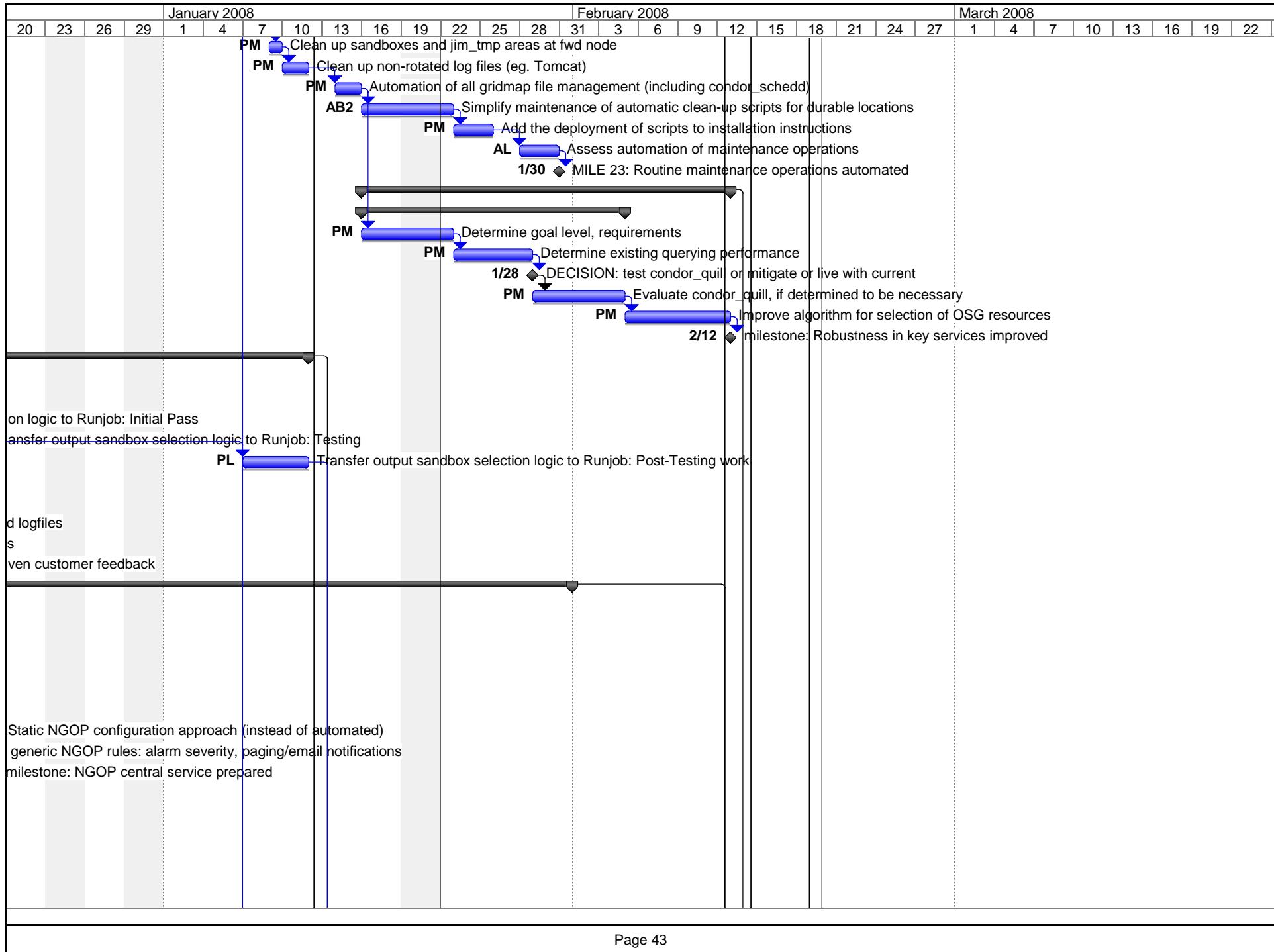
The Gantt chart illustrates the project timeline from January to March 2008. Key tasks and milestones are outlined below:

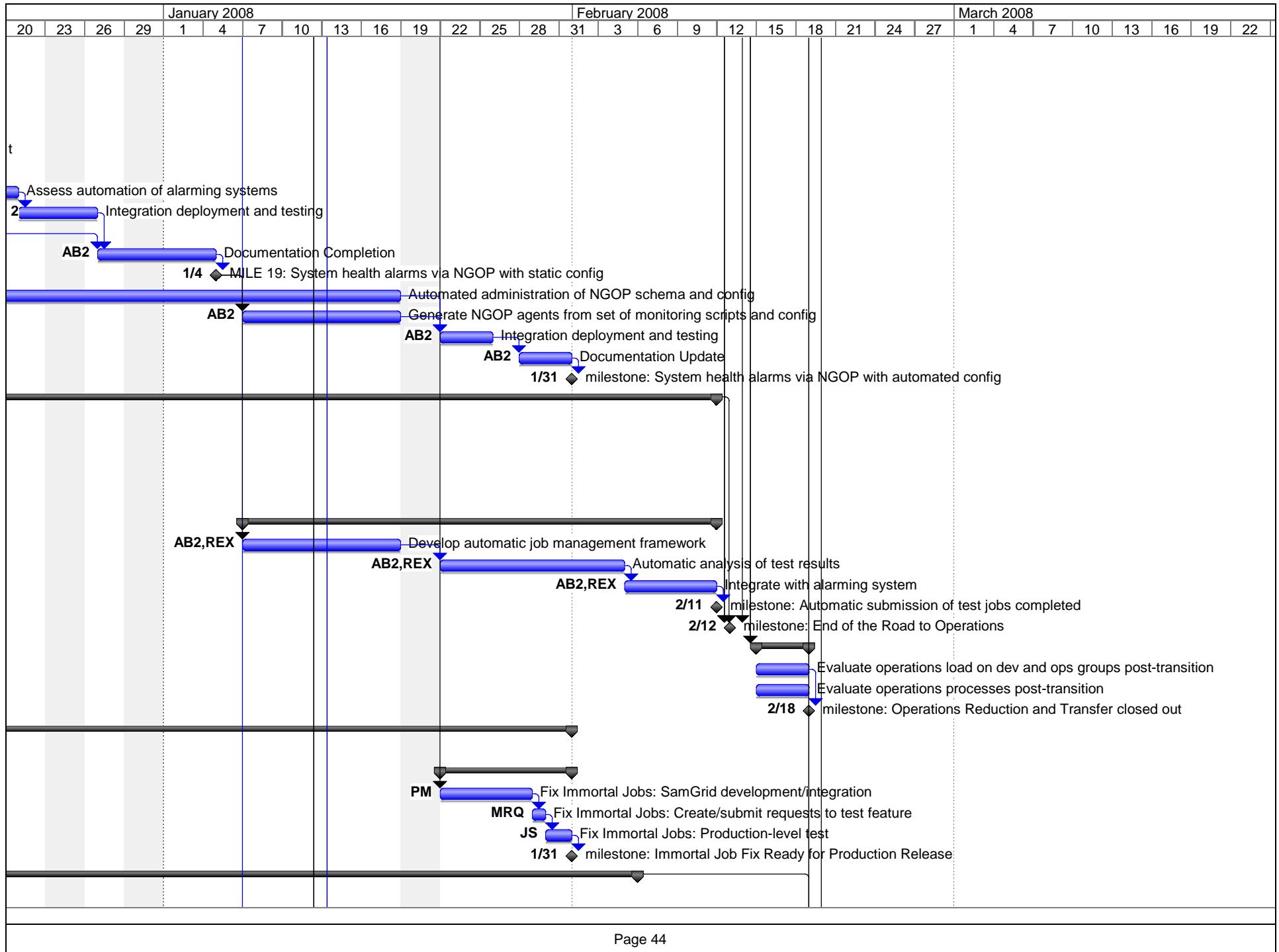
- Operations Policies doc: Final version**: Task spanning January 1 to January 16.
- Operations Policies doc: Stakeholder Review**: Task starting at the end of the previous task, ending on January 15, assigned to ASB, RDK.
- Operations Policies doc: Approve - CD, D0**: Task starting immediately after the review, ending on January 15.
- MILE 13: Grid Production Operations Policies doc done**: Milestone marked on January 15.
- 1/15 milestone: Operations Documentation completed**: Milestone marked on January 15.

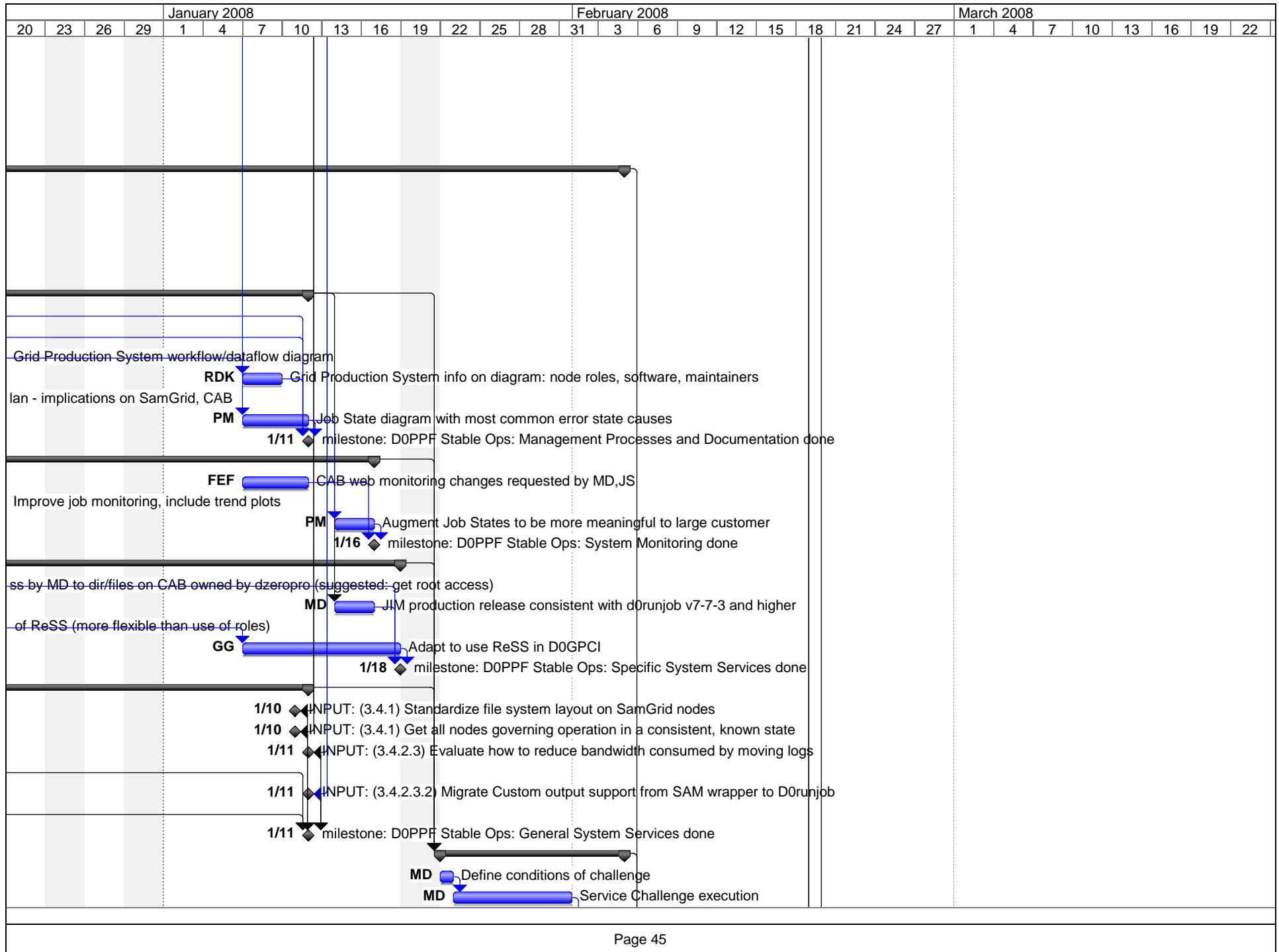
s co-performs ops tasks with SamGrid Dev (Level of Effort)  
 Operations Training and Docs as requested by REX ops (Level of Effort)  
 1: Jim\_Client+ - Phase 4/4 of Ops Transfer done  
 ne: Operations Transfer nominally completed

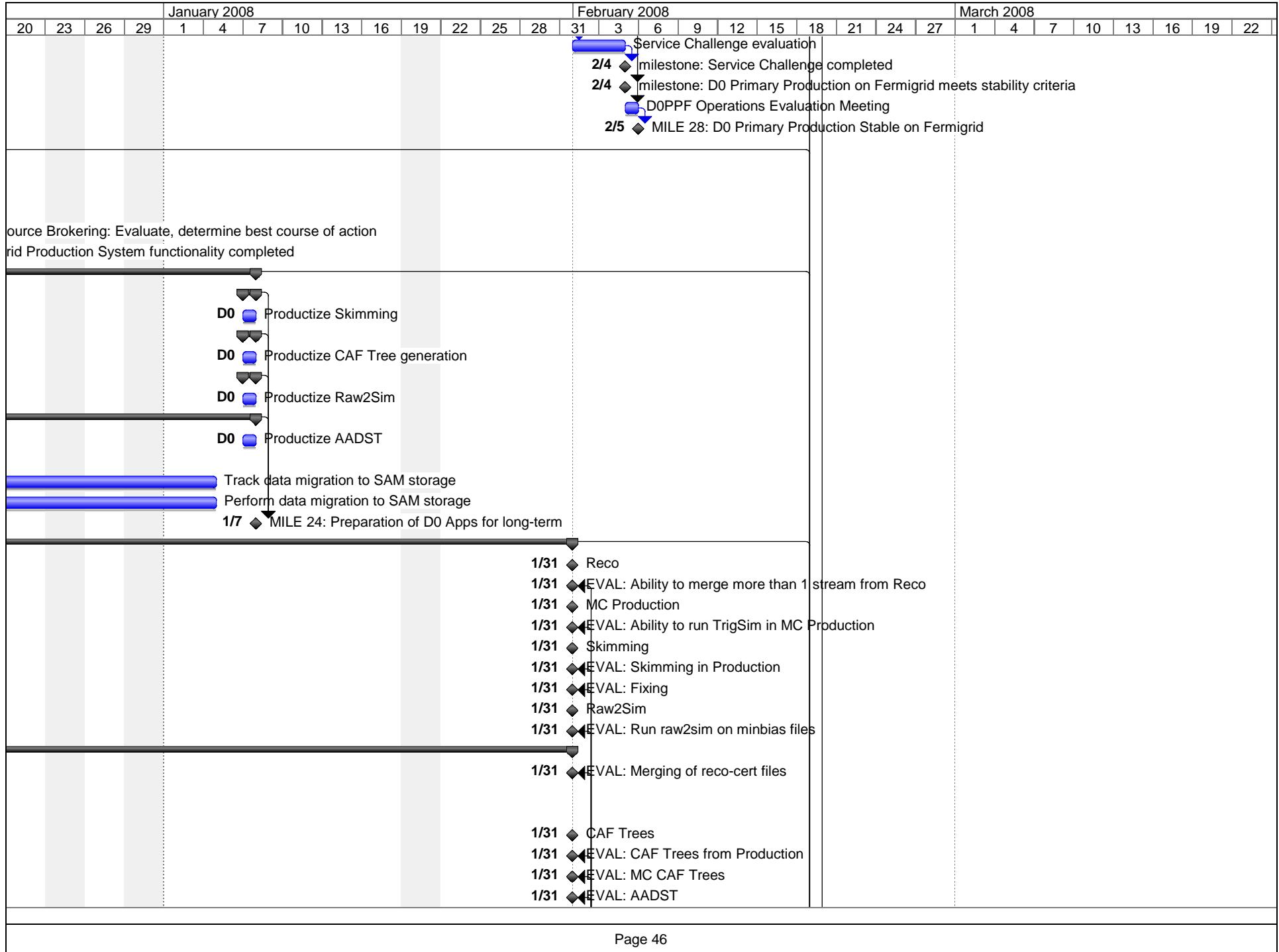


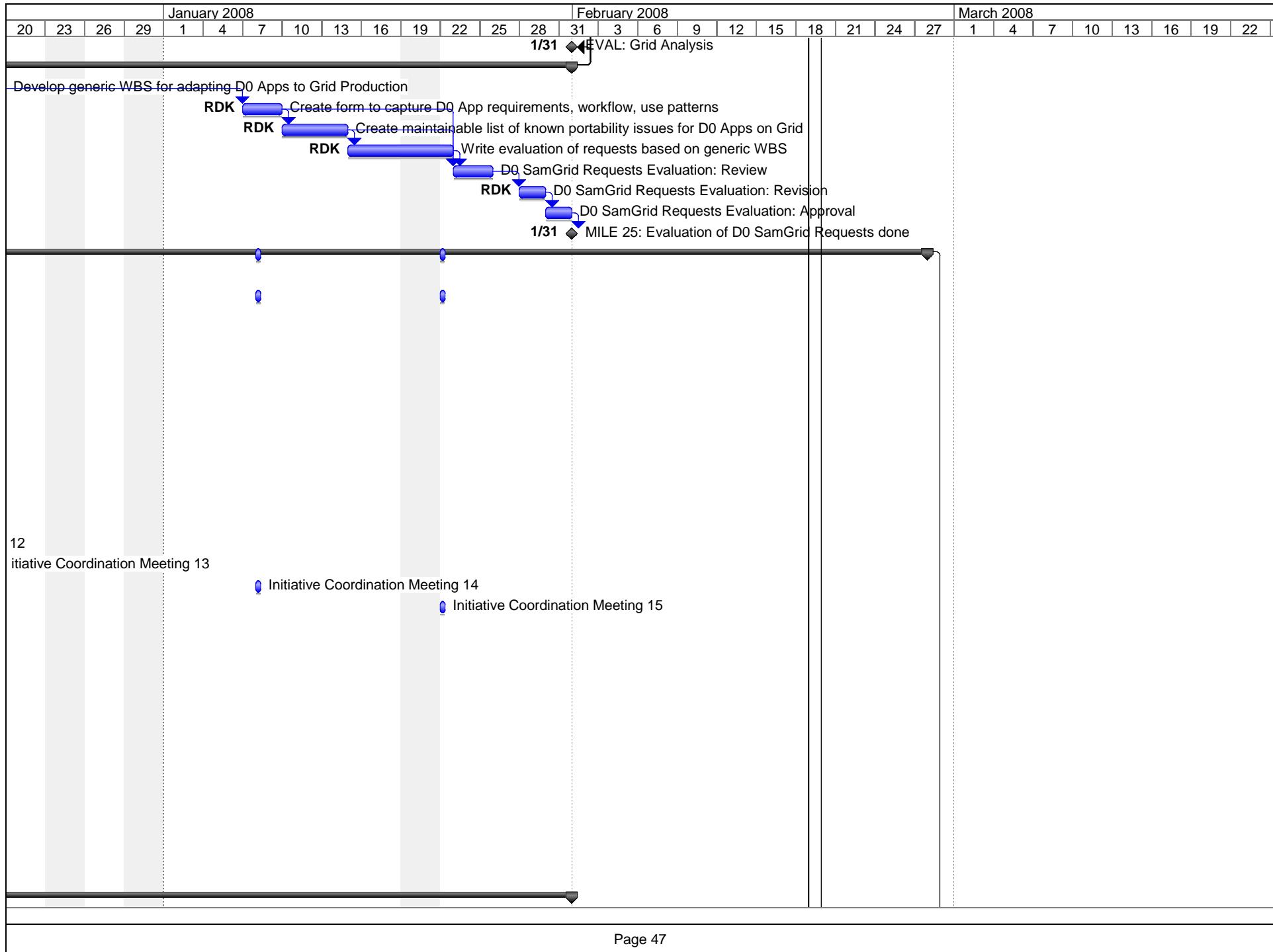


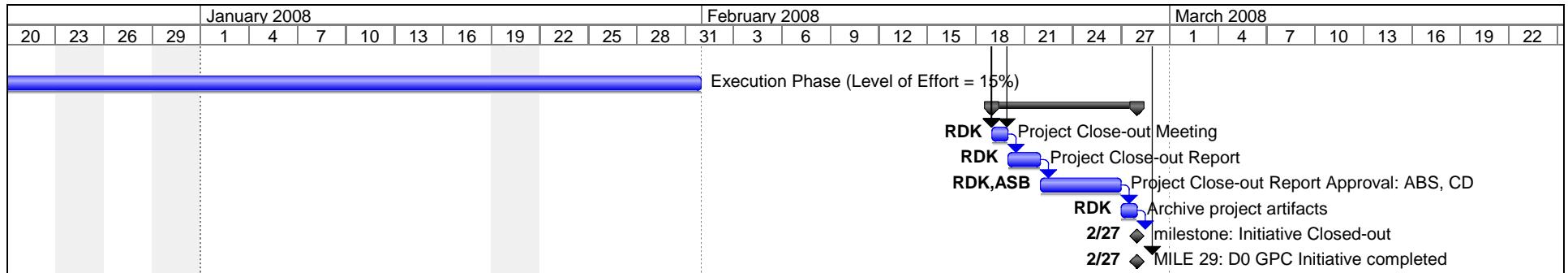












Project: D0 Grid Production Computing Date: Tue 12/11/07	Task		Milestone		External Tasks	
	Split		Summary		External Milestone	
	Progress		Project Summary		Deadline	